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THE
SECOND PART
OF THE
Book of Vouchers,
To prove the
CASE and DEFENCE
OF THE
DEPUTY GOVERNOUR
AND
DIRECTORS
OF THE
COMPANY of Mine-Adventurers.

By Sir HUMPHRY MACKWORTH.



L O N D O N:

Printed in the Year 1711.

THE
РАДА СО СДА
ант то
Book of Visions
to the
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and DEARNESS

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ДРУЖНОВЯДОВ

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COMPANY of MINE-AGENTS

Магазинъ

ФОНД

Библиотека

The SECOND PART of the Book of Vouchers, taken in Justification of the Proceedings of the Deputy-Governor and Directors of the Mine-Adventurers of England.

Mr. Waller's Calculation of the Value of the Mines of Bwlchyr Eskirhyr.

SIX hundred Men employed at the great Work, when the Levels are up at 8 s. 6 d. per Ton, for getting washing and making Marchantable; as it is now got, every two Men must make above a Ton per Week, to get them Wages; but at the Rate of one Ton per Week, six hundred Men will raise three hundred Ton per Week, and at fifty Weeks, fifteen thousand Tons; by the Year this Charge of Getting is, — 6375
 Carriage to the River Dovey, at 5 s. per Ton, — 3750
 Twelve Pence per Ton by Water, and for Landing it in the Storehouse, at the Port of Aberdovey, — 750
 Fifteen thousand Ton of Ore, will make ten thousand Ton of Lead; Smelting of this when our Mills are up, at 15 s. per Ton, — 7500

Charges,	18375
Ten thousand Ton of Lead, at 9 l. per Ton, —	90000
Charges of getting Washing and Smelting, —	18375
Sinking Shafts, and Incident Charges, —	1125
Clear Profits,	70500

A List of New Mines assign'd to the Governor and Company of Mine-Adventurers of England by Sir H. M. for which he hath hitherto postpon'd the Receipt of any Money.

Bwlchyr Enad	Peneraigde	Cyland
Eskyr Fraith	Goginian	Cumustwith Nantrivaugh
Cumsumlog	Cumervin	Cumustwith Penrevaugh
Bulkening Lead Vein	Cumistwith	Cumustwith Letherauteranen
Bulkening Copper Vein	Eftyntean	Cumustwith stamping Mill Level
Gayre	Brinpieka	Cumustwith Common
Siglandglace	Deiridian	Cumustwith Silver Hill
Nantmellin	Cumdarieu	Cumustwith Westeraig y Moyne
	Brinant	
	Maismore	
	Brintile	
	the Copper Mine at Brintile	

At a Court of Directors held the 15th of January, 1706. I do consent that the Engraftment be postponed for three Years more from henceforth. Witness my Hand, H. Mackworth.

At a Court of Directors, &c. On Monday 26th of February, 1704—5. A Deed, Dated 22nd of February, and made between Sir H. M. and Mr. Waller of the one Part, and the Governor and Company of the Mine-Adventurers of England of the other Part; was read and the Counter Part thereof executed.

SI R Humphry Mackworth acquainted the Court of Directors, That he, and the New Proprietors, have voluntarily agreed to postpone the Receipt of any Interest or Profits from the Principal Money, and Shares engrafted and entred to the Account of him in Trust for himself and the said New Proprietors, or from Transferring the same, or any part thereof, until the Sum of 125000 l. Originally Adventured with Interest be paid off; in Case such Ways and Means shall be taken for Paying off the same, as J. C. of Lincoln's Inn, Esq; and T. B. of the Middle-Temple, Esq; Referrees. Between all Parties shall think proper and reasonable: And in Case the Governor and Company shall consent to advance their working Stock, to the Sum of one hundred thousand Pounds; and use their Endeavours for raising the same.

ORDERE D. That the Thanks of this Court, be given to the New Proprietors, for their free and generous Declaration above mentioned; which will highly conduce to the General Advantage, and Universal Satisfaction of all the Adventurers.

<i>Lead refined at Neath, yielded at the Rate of 22 l. 19 s. 10 d. per Cent Clear Profit.</i>	<i>Profits by Refining.</i>
Clear Profit by refining at Neath, at the Rate of, —	32 3 3 per Cent. 1700.
Ditto, Clear Profit at the Rate of, —	35 8 2 2 f. p. Ct.
Ditto, Clear Profit at the Rate of, —	32 18 3 1 f. p. Ct.
Ditto, Clear Profit at the Rate of, —	30 8 2 2 f. p. Ct.
Clear Profit by refining at Neath, —	31 12 0 2 f. p. Ct. 1701.
Clear Profit at the Rate of, —	33 17 4 2 f. p. Ct. 1702.
Ditto, Clear Profit at the Rate of, —	27 13 0 3 f. p. Ct.
Ditto, Clear Profit at the Rate of, —	23 5 6 2 f. p. Ct.
Clear Profit by refining at Neath, —	33 3 8 3 f. p. Ct. 1703.
Clear Profit at the Rate of, —	44 16 11 p. Ct. 1734.
	Ditto,

Dicto, Clear Profit of one Sort of Ore,	122	7	20 f. p. Cs.
Clear Profit by another Sort,	186	11	02 f. p. Cs.
They did not at any time refine any Lead to Loss.			

Tho: Herne, Accountant.

Mr. Waller's
Maps, &c.

His Preface.

Mr. Waller's Book of Maps and Descriptions of the several Veins of Lead and Copper Ore, belonging to the said Company, were delivered by him to the Company at a General Court in 1700, which begins thus, viz.

Hon. Sirs,

IT is not forthe Vanity of appearing in Print, that I give you this second Trouble; but to give you the Present State of the Mines. In 1698, I wrote an Essay for the Information of the three Partners; wherein I promised to raise Ore at *Eskyrhy*, at 14 s. 3 d. per Ton; and since I have raised some thousands of Tons at 3 s. 7 d. per Ton, including Washing and making Merchandise; which is a much less Price than what I then propos'd: But find that *Eskyrhy* Ore, did not bear that Quantity of Silver that other Mines in this Country did; which being not understood, lay unwrought: And the Nation being engaged in an expensive War, and wanting Bullion, we ventur'd upon the Working these Mines, as not doubting but they will turn to a National Advantage, as well as a considerable Profit to our selves: And you will find by the following Maps, that I have managed eleven Levels or Addits, besides those at *Eskyrhy*; which have all been as a dead Charge upon us for some Years, but now the most of them will yield us good Profit. These things being considered, with the Charge of your Smelting Furnaces, Refining Furnaces, and Redlead Mills; I hope it will be no strange thing to you, why we have not yet made a Dividend of more than 6 per Cent. per Ann. I am

Hon. Sir,

Your most Obedient Humble Servant, William Waller.

Description of
Eskyrhy.

Then he describes all the Veins according to the Maps, and says, That the Vein in *Eskyrhy*, is sometimes 4 Foot, sometimes 8 Foot wide in Ore; that the Bogg Vein is a Yard wide in Ore; that this Boundary is 37 Miles in Compass, wherein are many more Veins of Lead and Copper Ore.

Caninog.

That the Mines at *Caninog* are 5 Foot wide in Ore; and that there was a Copper Vein, which held one in five in fine Copper; and another Vein 4 Foot wide, a Streak of Ground of a Mile and a Level 80 Yards deep.

Comsumblock.

That the Mines of *Comsumblock* will be as Rich in Ore when the Levels are brought home, as *Eskyrhy*, and *Caninog* Vein, and will have a Level 116 Yards deep; that a Ton of Metal of this Ore yields 65 Ounces in fine Silver.

Goginian.

That the Mines of *Goginian* held 44 Ounces of fine Silver in a Ton of Metal; that Mr. Bushel kept a Mint at Work, at the Silver Mills in *Cardiganshire*, from the Bullion he had from this Mine which is now in great Prosperity.

Prinpicka.

Then he describes the Veins of *Prinpicka*, *Comervin*, and *Pencraigthee*, which yield 14 Ounces of Silver in a Ton of Metal, and gives great hopes of a Treasure from them.

Comervin.

That in the Mines of *Ystymtyen* he had opened 33 Yards in Ore, all Measures from a Foot to two Foot wide; but the last 8 Yards is above a Yard wide in good Ore, and grows wider as we drive Westward, and is there 18 Yards deep; and there we have a Level of 50 Yards deep, and a good Feeding Ground for above 800 Yards more, being all Bogg and Water Grounds, where we find Veins run, and never fail of being rich in Ore, which is all guarded or inclosed in a blew Sill.

Pencraigthee.

That the Mines of *Comystwith* run in Bellies of Ore of all sizes, from 4 Yards broad to 7 Yards, and 10 Yards long to 30 Yards, and from 4 Yards high to 7 Yards —— Here says he, we have a Liberty of above 20 Miles Compass, which contains several more Veins; all which may more fully appear in the said Book of Maps and Descriptions to which we refer.

Ystymtyen.

Mr. Breton, Standing Council to the Company, made the following Report.

Report about
the Title.

IN Pursuance of an Order of this Court, I have consider'd the Title which the Company have to the several Mines, Minerals, and Liberties described by Mr. Waller in his Books of Maps presented by him to the Governour and Company at the last General Court, and do find that they have a good and undoubted Title, both in Law and Equity, to all the said Mines, Minerals, and Liberties.

Tho: Breton.

At a Committee of Directors and Assistants, October 31, 1705. The Chair-man acquainted this Committee, That he, together with Sir Thomas Mackworth, Mr. Breton, and Mr. Francis Staley chief Bar-master to the Duke of Rutland, and the Duke of Devonshire and William Blackwall and others, had viewed the Mines and Work-houses in *Cardiganshire*; which Report being put in Writing, and signed by the said Mr. Staley and Blackwall, was read.

An Account of the Mines in the County of *Cardigan* signed by Francis Staley and William Blackwall, Sept. the 4th, 1705, two eminent Miners out of *Derbyshire*, and one of them a Bar-Master, who were sent by the Governour at his own Expence.

Mr. Staley's
Report who was
sent from Der-
by to view the
Mines.

Bwlchir Caninog, Sept. the 40th, 1705. We went down a Shaft to view the Mines of *Ca-*
ninog, and find the Veins seven Foot wide, and most of it clean Ore, and the Vein is very likely to mend up the Hill.

The same Day we viewed the Mines of *Bwlchir Eskyrhy*, and found the same in one Stoop, three Foot six Inches in clean Ore; in other Stoops, one Foot and two Foot wide in Ore; it seems to us that the same Veins do run through the adjacent Mountain which is called *Eskirraith*, as may appear by a Tryal made in that Hill.

Cumsumlog, Sept. the 6th, 1705. At *Cumsumlog*, the Miners are bringing up two Levels; one is 64 Yards deep, the other is 52 Yards deep below the Level, which is in all 116 Yards deep, of which there is 52 Yards below the old Man, and it is driven to the Forefield in fresh Ground: Where they are sinking a Shaft, there is two Veins; the one is a Yard between the firm Sides, the other is larger; and the Ore of these Mines yields in fine Silver about Seventy Ounces in a Ton of Lead.

The same Day, at *Pencraigde*, the Miners are raising Ore at the top of the Vein, at 14 Yards deep, and are carrying up a deeper Level, which will be under the old Man 38 Yards, and this Ore yields about 45 Ounces of fine Silver in a Ton of Metal.

At *Bwlchir Comervin*, the Miners were not at Work, but we were informed that the Level is carried up to the Forefield, and that it wants 45 Yards to the *Goginian* Vein; that Level is 54 Yards deep, the Ore yields about 44 Ounces of fine Silver in a Ton of Lead.

At

At Prinicks, the Miners were sinking a new Shaft, being watered out the last great Rain, we are informed the Vein is a Yard or four Foot between firm sides, and that it is a soft Clay Vein; this Vein also yields about 44 Ounces of fine Silver in a Ton of Lead.

At Goginian, the Miners are clearing up the old Song, and intend to cut through the Twitch which the old Man refused, which will gain a Level under the old Man about 60 Yards; this Vein is above four Foot wide between the firm Sides, and the Ore yields about 44 Ounces of fine Silver in a Ton of Lead.

Sept. the 7th, 1705. At Estimtyen, we went down a Shaft, and saw a Vein of Lead Ore divided by a Rider which was about a Yard thick, and of either side this Rider there was a Rib of good Ore, about a Foot thick; we saw the Ore bare a considerable Length; the Miners are working in several Stoops, and there is a fair Streak of Ground before the Vein.

At Cumuswith, there is an old Work called Belzager's Work, which has been very large, and there is now a Rib of Ore a Foot thick, which seems to be very hopeful; and there is another Vein in the same Mountain which bears Ore about a Foot wide, and is wrought below the old Man; this is a soft Vein, and very likely to continue and improve in Wideness: The Men are raising Ore in several Shafts, and there are considerable Quantities on the Bank made Merchantable.

There is a new Work and several hopeful Tryals in that Mountain.

We find the Mine-Adventurers have a large Liberty, and do judge that they have within the same several other Mines; but we think that they have Ore enough in those Veins, and that Mr. Waller understands his Business very well, and is in a right way of Management.

Francis Staley, William Blackwall.

The following Paper is signed William Waller, John Murgatroyd, John Shut, and Richard Hawkins, and dated May the 27th, 1706, and is as followeth, viz.

In the Review of the State of the English Nation dated Tuesday, April the 30th, 1705, and numbered (52) the Author endeavouring to answer an anonymous Letter sent him in relation to the Mine-Adventure, and the perpetual Annuities now arising upon it, as a Fund of Payment.

Mr. Waller's Answer to the Review.

To the end that he may better understand the Affairs of the Company, in order to inform his Enquirer how they really consist in respect to the raising of Ore at the Mines in Cardiganshire, and also to the smelting and refining thereof, he is desired to take notice of the following Particulars, viz.

That the Lead in the Account of Refining in the abovementioned Review, is Charged there 8 l. 18 s. 11 d. 2 f. prop̄ per Ton; which might indeed cost the Company so much, if the Ore stood them in 4 l. per Ton (which will appear to be otherwise hereafter) as it is always charged to Account of Smelting at Neath (when deliver'd at Dorey) but to Account of Smelting at the Silver Mills in Cardiganshire, it is charged 1 s. less, viz. 3 l. 19 s. per Ton, because there is no Charge of Shipping for that which costs 12 d. per Ton for the other.

2dly, That we have within these twelve Months made considerable Improvements in our Smelting at the Silver Mills, as appears by the following Accounts, in which our Lead, valuing the Ore at 79 s. per Ton, as above, costs the Company 7 l. 7 s. 4 d. 2 f. for that made in the Ore Furnace, and no more than 3 l. 9 s. 8 d. 2 f. per Ton for that made in the Slagg Hearth.

The Accounts are as followeth.

Lead at Garreg, Dr. to sundry Accounts, 18 l. 16 s. 3 d. for 133 Pieces Content, 11 Ton, 2 Hun. 0 Qu. 7 P. made in one Ore Furnace at the Silver Mills in twelve Days, viz.

	l. s. d.
To Ore at Garreg, for 17 Ton valued at 79 s. per Ton,	67 3 0
To Coal, for 9 Ton and a Half expended, at 20 s. per Ton,	9 10 0
To Lime for,	0 12 0
To Stores at Garreg, for 69 Pound wrought Iron, at 3 d. per Pound,	0 17 3
To Cash paid, Workmens Wages, viz.	
Nicholas Newton 12 Days, at 2 s. per Diem,	1 4 0
John Williams, 12 Days, at 20 d.	1 0 0
John Bellows, Thomas Walter, and Ellis Williams, 12 Days each, at 10 d. per Diem, is,	1 10 0
	3 14 0
	81 16 3

So that it's plain, that for 81 l. 16 s. 3 d. the Company receives 11 Ton, 2 Hun. 0 Qu. 7 P. of Merchantable Lead, which amounts to about 7 l. 7 s. 4 d. 2 f. per Ton, as above.

Again, Slagg Lead at Garreg Dr. to sundry Accompts, 9 l. 10. 3 d. for 2 Ton, 12 Hun. 2 Qu. 7 P. made in one Slagg Hearth at the Silver Mills in one Week, viz.

	l. s. d.
To Slagg, for 9 Ton, 12 Hun. charged at 5 s. per Ton,	2 8 0
To Coal, 5 11—16 Tons, at 20 s. per Ton,	5 13 9
To Cash paid Wages, viz.	
Adam Bird and Edward Harker, 6 s. each.	12 0
Thomas Waller 5 s. and John Lewis, 3 s. 6 d.	8 6
	1 0 6

By this Accomp̄t it appears, that for 9 l. 2 s. 3 d. the Company receives 2 Ton, 12 Hun. 2 Qu. 7 P. of Lead, which stands them but in 3 l. 9 s. 8 d. 2. f. per Ton., nor scarce in so much:

3dly, That if according to the abovementioned Accomp̄t, Ore, Lead, that Accomp̄t of Refining be again stated, it will stand thus, viz.

On the Dr. Side.

1st, Lead Refined being 797 Ton, 4 Hun. 2 Qu. 18 P. (as in the Review) which is now charged at 7 l. 7 s. 4 d. per Ton, that Amount is,

5874 12 2 2

2dly, Charges of Refining, as is their Charge,

1219 13 3

7094 5 5 2

The

The Cr. Side is here expressed thus.

1. The Silver extracted being 8318 Oun. 11 Penny-wt. 17 Grains at 5 s. 1. 3. d. f.	2287	3	1	2
6 d. per Oun. amounts to,				
2. The Lytharge being the Remainder of the said Lead after the Silver is extracted, which amounts to 806 Ton 8 hun. 17 l. at 10 l. per Ton, is,	8790	5	5	
	11077	8	6	

The Balance being the Clear Profits in Refining, the abovesaid Parcel of Lead is, 3983 3 1 2
Which is 1257 l. 12 s. 9 d. more Profit than the Account Stated in the said Review.

Fourthly, But suppose again that the Lead Refined, was Slagg Lead (which some Men are of Opinion holds more Silver than that made in the Ore Furnace) then the Account Stated will stand thus, viz.

For the Dr. Side.

1. 797 Ton 4 hun. 2 quar. 18 l. of Lead, at 3 l. 9. s. 8. d. 2 f. per Tun, is,	2778	13	9	1
2. Charge of Refining as before,	1219	13	3	
	Tot.	3998	7	0

For the Cr. Side as before, viz.

1. Silver Extracted,	2287	3	1	2
2. Lytharge,	8790	5	5	
	11077	8	6	2

The Balance being the Clear Profits in Refining, the abovementioned Parcel of Slagg Lead will be,

7079	1	6	1
11077	8	6	2

By the last Account it appears, that there is gained 177 l. by every 100 l. of Principal Money laid out; and if it be made appear, that the greatest Part of the Lead made, stands the Company in little more than the above mentioned Slagg Lead; then we question not but it will be very easily allowed, that that Account of Refining Stated in the Review, is the least Considerable in Respect of the Profits; and not the Principal and Foundation Article on which the whole Matter turns, as seems to be alledged by the Author.

Fifthly, It always has been the Custom to charge the Ore, to be Smelted at the Prices before mentioned, whatever the Raising of it cost; and for that Reason, great Sums of Money are brought to the Credits of those Accounts of Ore, and the several Mines where we have raised Quantities; for some thousands has been raised at less than 4 s. per Ton, tho' at the same time, some might cost the Company 30 s. per Ton: But to come to a Medium, which is 17 s. per Ton (though we will suppose 20 s. per Ton for it) besides Carriage to the Smelting Mills or Shipping of it, which is from 5 s. to 15 s. per Ton: By which it may easily be learnt, that the Ore at the Smelting Mills stands in about 30 s. per Ton; but then there is not 1—10 of the Ore charged at 20 s. per Ton that is at 5 s. so that it does not cost altogether so much: Yet supposing at 30 s. per Ton, let us see what Ore Lead made in the first Account really stands the Company in; which by the following Account will appear.

Lead at Garreg, Dr. to Sundry Accounts, 40 l. 3 s. 3 d. for 133 Peices containing 11 Tun 2 hun. 7 l. made in one Ore Furnace at the Silver Mills in 12 Days, viz.

l.	s.	d. f.
25	10	0
9	10	0
3	14	0
0	12	0
0	17	3

So that there is 11 Tun 2 hun. 7 l. of Lead for 40 l. 3 s. 3 d.

40	3	3
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Which is the real Charge upon it, and that amounts to about 3 l. 12 s. 4 d. per Ton, of which if the same Quantity was refined as before, the Clear Profit would be 6974 l. 8 s. 9 d. 2 f. as by the following Account, viz.

Account of Refining, Dr.			
To Lead for 797 Ton 4 hun. 2 quar. 18 l. made at 3 l. 12 s. 4 d. per Ton, is	2883	6	6
To Charges for,	1219	13	3

To Profit and Loss for the Balance being 6974 l. 8 s. 9. d. 2 f. gained by Refining the abovesaid,	4102	19	9
	6974	8	9
	11077	8	6

Account of Refining, Cr.

By Silver Extracted as before,	2287	3	1	2
By Litharge resting, &c.	8790	5	5	
	11077	8	6	2

By this it plainly appears, that here is gained 6974 l. 8 s. 9 d. 2 f. which is almost 170 l. Profit for every hundred Pounds of Principal Money adventured.

Sixthly, And as it hath always been the Method of the Company, to order their Accounts of Ore Digging, Smelting, and Refining, &c. So that from every one of them, there may arise some Profit, more or less; so it is likewise Ordered, that the greatest Profit may arise from the Account of Ore Digging, as by the following will appear.

Ore at Bwlchyr Eskyrbryr, Dr.

To Cash paid William Thomas Humphry and Partners, for raising and dressing 27 Tun and a half of Ore, at 18 s. per Tun, is, —	24	15	0
To Ditto, pd Edward Richard and Partners, for Do. of 39 Tun, at 22 s. 6 d.	43	17	6
To Do. pd John Cotterell and Partners, for Do. of 32 Tun and a half at 20 s.	32	10	0
To Ditto, paid John Thomas and Partners, for carrying the aforesaid Ore, being 99 Tun, at 5 s. per Tun,	24	15	0
	125	17	6
To Profit and Loss, for the Balance gained by raising of 99 Tun of Ore,	265	3	5
	391	1	0

Ore at B. Eskyrbryr, Cr.

By Ore at the Silver Mills for 99 Tun, deliver'd there by John Thomas and Partners, valued at 3 l. 19 s. per Tun,	391	1	0
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Thus you see that there is 265 l. Profit by the Raising of 99 Tun of Ore at this Mine; besides the Profit of Smelting, Refining, Readlead making, &c. And it is not questioned, but that the Company may upon this Foundation, reasonably Value their Mines at some Millions.

Seventhly, Again, let any rational Man consider, what Money the Company has expended in bringing up Eight or Ten several Works (Five of which being Rich in Silver, are not yet come in to yield any large Quantities of Ore) and he must needs believe this, that if these Mines that are in, did not yield extraordinary Profit, the rest could not have been carried on Night and Day at the Charge they have been at; for it is not 2725 l. in six Years that will do the Business.

Thus have we in as few Words as possible, shewed the State of the Company in this Country, both for the Satisfaction of the Partners concerned, and also that the Author of the Review may inform himself a little better on Account of the Undertaking. And we do assure him, that we are neither under Bond to them to keep private any thing we know, nor they to us for any such Matters: Neither do we see that they have Occasion to make use of such Proceedings; since we are satisfied it would be much to their Advantage, if the World rightly understood their Foundation.

Signed at the Silver Mills this 27th of May, 1706. By us, William Waller,

John Murgatroyd,

John Shutt,

Richard Hawkins.

The REPORT of the Committee appointed by Order of the General Court, to view the The Report of Workhouses and Mines in Wales; made in the Month of August, 1708. the Committee

We have viewed several large Workhouses in the Counties of Glamorgan and Cardigan, containing seventeen Furnaces for Smelting Lead, two for Copper, eight for Refining, and two for making Redlead, and room for fifteen more besides; four Blast-Furnaces at Taffibont, which are not at present made use of, with many more Conveniences, set forth in two Schedules hereunto annexed.

We find several Alterations in the Mines, since the Account given thereof by Mr. Waller's Letters; but upon the whole, we have reason to believe the Accounts given thereof were true.

We have viewed and measured several Mines in Cardiganshire, and Montgomeryshire, both above Ground and below; and do find the same as followeth, That is to say,

Cumsumblock Vein is an Old Work, the Ore whereof holds about Ounces of Silver Cumsumblock in a Ton of Lead, which Mr. Waller is endeavouring to recover in fresh Ground: And also to under cut the Old Work, in Order to which he is opening and driving in three Levels or Addies.

The first Level has seventeen Shafts, whereon Nine are on the Vein, containing seven hundred and Ten Yards in Length; and under cuts the Old Work, about thirty Yards; and he wants eight Fathom to cut through in Vein Stone and Ore; and to clean a Drift about sixty Yards in Length, to come up to the Ore left by the Oldman: This Level cost the Patentees (as Credibly informed) eleven thousand Pound, and was never perfected.

The second Level lies above two hundred Yards East from the former, and has ten Shafts upon it all on the Vein, it's Forefield eighteen Inches wide in Ore; and when finished, will be about four hundred thirty two Yards in Length; it under cuts the Old Work twenty eight Yards, all which Depth in sinking from Top to Bottom, they found to be in Ore: And when this Level shall be carried home, which wants but five Yards, the Ore may be raised in several Stoops or Stations for Men to work.

The third Level begins sixty two Yards West of the Forefield of the second, and (as mentioned before) is twenty eight Yards above it; it has nine Shafts, seven of which are on the Vein; and the uppermost is twenty two Fathoms deep, beyond which the Level is drove seventy Yards towards the Bog; this Vein is in most Places three Foot wide, and the firm Stake of Ground from the East Forefield yet unwrought, extends in Length near three Miles: Of which the Bog where Mr. Waller expects such large Quantities (and calls his Trojan Horse) extends about one Mile.

We have also in Pursuance to your Instructions, examined the most understanding Miners Valuation concerning the Value of each Mine; who are of Opinion, That there is an immense Treasure in the Mines within your Liberties; but we being desirous to know by what Rule they made their Calculations on each Mine; they gave us that which followeth.

As to the Mine of Cumsumblock, they observe, That the first Level for 144 Yards in Length, under-cuts the Old Work in Depth 30 Yards, whereof 20 in Ore; and then the Vein taking more Cover upon it, yields 30 Yards in Ore above the Level, for 735 Yards more; and that the Vein is in Breadth three Foot, at which Rate 144 Yards in Length at 20 Yards deep; and one Yard wide allowing 5 Ton 8 hun. and a half for each Square Yard in Ore (as by frequent Experiments

periments has been approved, yields 15624 Ton of Ore; and 735 Yards at 30 Yards deep and Yard wide, yields 119521 Ton i. quar. Total one hundred thirty five thousand two hundred forty five Ton, and one Quarter.

Then they observe, That this Ore by Reason of the Richness of it in Silver, and being raised at 20 s. per Ton, will yield Clear Profit of 5 l. 6 s. per Ton; at which Rate the Value of the Ore above mentioned, amounts to 716799 l. 16 s. 6 d.

They also observed, That the second Level under-cuts the Old Work 28 Yards, for 380 Yards in Length, which by Calculation as aforesaid, amounts to fifty seven thousand seven hundred twenty two Ton of Ore, which at 5 l. 6 s. per Ton, amounts to three hundred thousand nine hundred twenty six Pounds, and twelve Shillings; the Total of the Ore in both the Levels, amounts to one hundred ninety two thousand nine hundred sixty seven Ton, and five hundred, the Value of which at five Pounds six Shillings per Ton, is, 1022726 l. 8 s. 6 d.

Objection.

To this we objected, That tho' the Vein held three Foot wide in several Places, yet there was no certainty that it would hold so throughout the Ground; but that there ought to be allowances for Faults and Twitches in the Veins: Upon which they submitted to make the Valuation at half a Yard wide, and to pay 30 s. per Ton for raising the same; at which Rate the yield in Ore, will be ninety six thousand four hundred eighty three Ton, twelve hundred and a half; the Value of which at 4 l. 16 s. per Ton, is four hundred sixty three thousand one hundred twenty one Pounds, eight Shillings.

They insisted, That there could be no doubt of this Calculation, because the Vein had been discovered at both Ends, and in the Middle; and had been fully tried by the Patentees, who had found so good a Work there, that they had built a little Village, and a Chapel on the Place, and left their Soles of their Works rich in Ore; but were driven out by Water, want of Stock, and the Act of Royal Mines.

Valuation at 9
Inches thick.

But yet, we thought it proper to make another Calculation, supposing the Vein should hold no more then 9 Inches wide, and should cost 50 s. per Ton raising the same; at which Rate the yield in Ore will be 48241 Ton 16 hun. 1 quar. the Value of which at three Pounds sixteen Shillings per Ton, is, 183318 l. 17 s. 9 d.

It was further observed, That the Ore might be wrought conveniently 30 Yards below the lowest Level, with the help of an ordinary Engine for 880 Yards in Length, which at the Rate aforesaid and computing the Vein at no more then nine Inches throughout, the yield in Ore, will be 35803 Ton; the Value of which at 3 l. 16 s. per Ton, is, 136059 l.

They did also observe, That all these Levels do run into the Bogg abovementioned, for a Mile in Length, and do take so much more Ground upon them, that the lowest Levels be 122 Yards deep; and they are all of Opinion, that the Vein will prove much Richer in that Ground then the other.

Caninog.

As to the Mines of Caninog, Pentrevach, Nanteraner, Bulchyr Enad, Eskyrhyr, Eskyrfraith, Crag-y-moyn, Dobrid-land, Brunant Cayr, Cumdarien, Maismore; they are at present not wrought for want of Stock.

Goginian.

The Goginian Vein, is also an Old Work formerly wrought by the famous Mr. Bushel, who raised much Ore in this Vein; which was so rich in Silver, holding about 44 Ounces of Silver in a Ton of Lead, that he had a Mint at Abrestwith, for Coyning the same.

Mr. Waller has carried on a Level in this Vein, and driven 300 Yards in Length, on which are six Shafts, five of which are on the Vein; the upper Shaft is 36 Fathom deep, when this Shaft shall be sunk four Fathom deeper, and the Level drove six Fathom further, they will meet in Ore; and then the Miners intend to raise several Stoops or Stations to work that Ore, which at present they are only driving in: We saw the Forefield 12 Inches in Ore; and since receiv'd a Letter from the Steward, that it came in 11 Inches more; Mr. Waller shew'd us a large Opening, within 30 Yards East of the upper Shaft, where Mr. Bushel met with a large Belly of Ore, and this Shaft being sunk to the Level, and being sixty Yards under Mr. Bushel's Level, Mr. Waller expects great Quantities under the Old Belly.

Comarvin.

The Vein between the firm Sides is, from three to four Foot and a half wide, the Ground unwrought is, 3080 Yards in Length; this Vein has been found at a Place called Comarvin, being 1280 Yards about the Middle of the Hill, and at a Place called Pencraigthee; at the other End of the Hill, from whence the Miners conclude, that by all the Rules of Mineing, it must bear Ore at all that Length of Ground.

Pencraigthee.

Comarvin runs from West to East, to which they are driving a Level, which is 368 Yards in Length, on which there are five Shafts, the uppermost being 40 Yards deep; the Level wants one Fathom to the Vein, which extends to Pencraigthee, being in Length about 1200 Yards.

Valuation.

Pencraigthee runs also from West to East, the Level is 300 Yards, on which is 11 Shafts, the uppermost is 22 Fathom deep; and between this Shaft and the Forefield of the Level, is 20 Fathom; and when that is drove through, Mr. Waller expects to raise Quantities there.

Twenty Fathom East from this, is a Shaft formerly sunk, in which they found good Ore, but were watered out for want of Level.

The Vein is from 3 to 4 Foot wide, the Ore the same with the Goginian Vein, the Ground unwrought is 600 Yards or thereabouts.

The experienced Miners do observe, That this Vein holds generally from three to four Foot wide; but taking it at no more then one Foot wide, the Ore in the Goginian Vein, for 1280 Yards in Length, to the Comarvin Vein, and 40 Yards deep, allowing about 40 Yards for Surface, will yield in Ore 92586 Ton and 2—3 which at the Rate of 4 l. per Ton, will yield 370346 l. 13 s. 4 d.

Brinpicka.

And Comarvin Vein at 1200 Yards in Length, and 40 in Depth, and 12 Inches wide, yields in Ore 86800 Ton; the Value whereof at 4 l. per Ton is, 347200.

Pencraigthee at 60 Yards in Length, 40 Yards deep, and 12 Inches wide, in Ore is, 43400 Ton; the Value whereof at 4 l. per Ton is, 173600 l.

Brinpicka runs from West to East, the Level is 372 Yards in Length, on which is 7 Shafts, of which the uppermost is 17 Fathom; they apprehended that they are within a Fathom of the North Vein; they have raised good Ore in this Vein, in a Cross Cut at 3 Yards from the Surface, the Ground unwrought is about 1000 Yards in Length; half a Pound of this Ore produces five Ounces three Quarters of Lead, which is near three fourth's.

The

The Miners made no Valuation of this Vein, the same being a new Work, and not yet sufficiently tryed as the other Works have been.

Ystymyten has two several Veins that lye soft, and yield Quantities of good Lead Ore: One *Ystymyten*. Vein is two Foot wide in most Places of the Sole; the other is one Foot and a half. The Ground is about 1600 Yards in length. 'Tis expected that those Veins will join in five Yards driving, being at present within three Foot, and pointing at each other.

One Pound of this Ore produced in Lead 11 Ounces and a half, which is near three Fourths. The Level is 234 Yards, on which is twelve Shafts: They draw Ore at four Shafts: These Veins being estimated at no more than half a Yard wide, and 30 Yards deep in Ore, which is 1600 in Length, yields in Ore 130200 Ton; the Value whereof, at 2*l.* per Ton, above all Charges, is 260400 lib.

Comyfwith old Work lyes on the side of a high Hill, and runs from West to East: It is *Comyfwith*. 13 Foot 8 Inches wide in Ore, mixed with some Vein Stone, excepting that a Rider about 2 Foot interposes towards the Sun-side. Sixteen Yards above this, in the same Vein, they are working in Ore; that is 4 Yards wide, but somewhat mixed with Stone. Sun of this lyes a Belly Vein, which is driven 132 Yards, and is a common Level to all the Works. Twenty Yards above this Level, is a Drift carried on 47 Yards, whose Forefield is 2 Foot 10 Inches and a half in Ore, on which is a dead Sticking of 12 Inches. On this Belly Vein are four Shafts; the upper Shaft is 68 Yards deep. The Ground unwrought extends in length about 4 Miles in a firm Streak of Ground. When a Shaft shall be sunk from the upper to the lower Work, Mr. Waller can employ 200 Men to cut Ore: One Pound of this Ore yields ten Ounces and a half of Lead, which is at the proportion of near two Thirds.

The Miners took upon these Veins as an inexhaustible Treasure, if they be carried on with a number of Hands and a large Stock, and therefore did not put any particular Valuation upon them.

Cumifwith Nanstrevach runs from S. E. to N. W. and holds good Potters Ore. There is a Level 103 Yards, on which is one Shaft 59 Yards deep: The Forefield where they are now working is 2 Foot wide, of which there is 9 Inches of Potters Ore, which mends daily: The remaining 15 Inches is a Sticking of soft Soil mixed with Ore: The Ground unwrought is about a measured Mile. One Pound of this Ore produced 11 Ounces and a half of Lead. This Mine, at 9 Inches wide, 20 Yards deep, and 1000 Yards long, will yield in Ore 27125 Ton; the Value whereof at 1*l.* per Ton clear of all Charges, is 27125*l.* This Vein is likely to prove much wider, but is subject to Twitches.

Cumyfwith Vein near the Stamping Mill, is near the top of the Mountain, has a Level of 65 Yards, on which are two Shafts; the upper is 22 Yards deep: They have here a Rib of Ore, 18 Inches wide, mixed with Vein Stone 5 Yards from the Forefield: They expect another Belly (this being a Belly Vein) and having tryed the Ground above, where Mr. Waller found the old Man had a rich Belly of 5 Yards in Ore, but was watered out, this Vein was not valued, having not yet been brought to Perfection.

In *Montgomeryshire*, we viewed a Mine called *Nantmelin*, which runs from West to East, has a Nantmelia. Level 110 Yards in Length, on which are three Shafts: The upper of which, when sunk to the Level, will be 27 Yards deep. The Forefield of the Level is 3 Foot 2 Inches, in which is a Rib of Ore 12 Inches. The Ground unwrought is above a Mile. One Pound of this Ore yields 11 Ounces and a half, which is near two Thirds.

Printile runs from West to East, has 2 Levels; the upper is in Length 120 Yards, the lower *Printile*. 140 Yards; the upper has three Shafts: At the middle Shaft, which is 12 Yards deep, they raise good Potters Ore. In this Level there is a Drift 5 Yards long in the Forefield, whereof there is Ore mixed with Vein Stone, 2 Foot 7 Inches wide, of which 7 Inches in firm Ore. There is another Drift which has a Forefield of 2 Foot Ore and spare: The lower Level has 6 Shafts, at the upper, 19 Yards deep they raise Ore. In this Level is a Drift, whose Forefield is 2 Foot wide, whereof 9 Inches in clean Ore. The Ground unwrought is half a Mile.

Siglanlace has a Level 60 Yards long, and designed to be carried on ten Yards farther to meet another Vein, on which a Shaft is already sunk; and when these two Veins shall meet at the Top of the Vein, it is expected to prove a very rich Work. On this Level are three Shafts; the upper Shaft six Fathom: The Forefield is 3 Foot 3 Inches wide, of which one Foot 3 Inches is in Ore. The Ground unwrought extends about half a Mile. One Pound of this Ore produces 12 Ounces and a half in Lead, which is above three Fourths.

All these Veins lye very soft, and will raise Quantities when set in Order; and the Ore is very rich in Lead; but being new Works, there was no Valuation set upon them.

We also viewed your Copper Vein called *Gyforn*, which runs from West to East: The Ground *Copper Vein.* is opened 110 Yards, and Ore found. It has a little Level 11 Fathom in Length, and there is a convenient Place to begin a Level about 20 Yards deeper, which at the top of the Hill will be 79 Yards deep. The Extent of Land unwrought, is above a Mile of good Ground. There is a Shaft, to which the Level is brought 17 Yards deep: Eastward of which is a Drift, the Forefield whereof is 3 Foot 2 Inches wide, of which 17 Inches is in Ore, and lyes very soft. In this Vein they frequently meet with native Copper and other green Ore, which yields above half in half. The poorest sort holds about one Ton of Copper in 6 Ton of Ore. The particular Tryals made by us at *Garrick*, are as follows.

Native Copper Ore 5 Penny-weights Troy produced in Copper 2 Penny-weights, 17 Grain and a half full, which is at the Proportion of 13 Hun. of Copper from 24 of Ore. Green Copper Ore Weight 5 Penny-weights produced in Copper 2 Penny-weights, 6 Grains full, which is at the Proportion of 9 of Copper from one Ton of Ore. Common Copper Ore green and brown, 5 Penny-weights produced in Copper 19 Grains, which is nearly at the Proportion of 1 Hun. of Copper from 6 Hun. of Ore.

The Miners do esteem this Copper Mine to be very rich; but, having not computed the Weight of a Yard square in Copper Ore, they cannot make a just Estimate of the Quantity or Value thereof.

Exam. per Edward Lowe,
Tho. Hornsby.

William Gardner.
E. Harrison Jun.
John Skeate.

The Schedule of the Work-house at Neath.

We measured the Work-house, and found the Dimensions of it to be in Length 165 Foot, in Work-houses. Depth 78 Foot.

It contains twelve Furnaces for Smelting Lead,

Two Furnaces for Copper, *viz.*

A Blast and a Refining Furnace, with a large Pair of Bellows,

Six Furnaces for extracting Silver out of Lead,

Two Furnaces for Red Lead.

Besides these Furnaces already built, there is Room in the Work-house for five more, which vacant Room is at present used by the Plumber for making Flower Pots, &c.

Two large Wheels, whereof the uppermost being 26 Foot Diameter, turns six Stamps, and work the large Pair of Bellows for Copper, and six lesser Pair for Refining.

The lowermost Wheel of 20 Foot Diameter, turns four Mills used for the making Red Lead, by grinding Lytharge and sometimes Bone-ashes for the Test.

These Furnaces are divided into several Rooms, and are all in order, except two, which being much out of Repair, Mr. Hawkins designs to rebuild with all Expedition.

There are also several other Conveniences for keeping Stores of all sorts, and for Stamping of Ore Slagg, and Sturbridge Clay, for making and drying of Bricks, for making Tests, for Refining, &c.

There is also a Counting-house with all that's necessary for an Office, and Lodging for a Clerk. Before the House is a large Court walled in, containing several Bing-Steads for keeping the Ore and Coal: There is also an artificial Waggon-way for carrying Ore and Stones to and from the River at Neath.

There are also all the Conveniences for the bearing and washing of Slaggs.

Under the Court is a large Vault.

Belonging to the Work-house is a Lime-Kiln and a Smith's Forge, with two Fire Hearths.

The Work-house has the Advantage of a very good Water Course, on which is room for more Wheels if there shall be occasion.

Exam. per Edward Lowe,

Tho. Hornsby.

Estimate.

At a Court of Directors Nov. 13. 1706. Ordered, That the Committee of Treasury be desired to make an Estimate of the Stock and Mines belonging to this Company.

Report.

At a General Court Dec. 2. 1706. The Chair-man Reported, That the Committee of Management to whom the same was referred by the Court of Directors, had directed him to Report to this Court, that they having made an Estimate of the Value of the Estate of this Company, do find that they, in all their Effects, are worth about 20000 £. over and above the Value of their Mines under Ground, which have been computed by the Sub-Committee to several Hundred Thousand Pounds, and that the Court of Directors having received a satisfactory Account of the present State of their Mines, and particularly of those yielding considerable Profit in Silver, had directed him to declare that it was their Opinion the Company would be able to make a Dividend on their Shares, within the space of one Year, or thereabouts; but as to the exact Time or Quantum thereof, refer themselves to the Determination of this Court.

Dividend.

Resolved, That a Dividend shall be made to the Proprietors of Shares of this Company in proportion to the Principal Money transferred to their use in Lieu of Annuities.

Ordered, That it be referred to the Court of Directors to ascertain the Time, and settle the Quantum of the said Dividend.

Ordered, That Notice be given in the Gazette and other publick Prints of the said Resolution.

Order about publishing notice of a Dividend.

At a Court of Directors Dec. 11. 1706. Sir H. Mackworth acquainting this Court that some Persons complained that no Publication was made of the declared Dividend, Ordered, That no Publication be made, till the time the Sum be adjusted, and in the meantime, that every Director and other Partner be at Liberty to communicate the Proceedings of the last General Court touching the same to his Friend in the Country.

Opinion of Directors Dec. 1. 1707.

The Deputy-Governour Reported from the Court of Directors the State of the Mines, That they were of Opinion the Company might in April or May for a Dividend next make a Dividend in new Money to be coined from Bullion extracted out of Lead, at the rate of 4008 £. in of five per Cent. to the Proprietors of Shares, and so in proportion to the Proprietors of Blanks, May following. towards the Discharge of their Principal Money over and above the Annual Dividend of six per Cent, and the Recompense to Annuities.

Order of the Court.

Order of the General Court for a Dividend.

Ordered, That the said Dividend be made, and Warrants made out for the same in May next.

At a Court of Directors Dec. 3. 1707. Ordered, That the following Advertisement be inserted in the next Gazette, for the Information of the Partners in the Country, *viz.* That in Pursuance to the Order of the last General Court, a Dividend will be made in May next, in new Money to be coined from Bullion extracted from their Lead, at the rate of five per Cent. to the Proprietors Shares, according to their original Value of 20 £. per Share, and a proportionable Dividend to the Proprietors of Blanks, towards the Discharge of their Principal Money, with an Addition to Annuities according to Agreement, over and above the constant Dividend of six per Cent.

Examination of The Cash Book appears to be Examined and Signed in March, 1700. per Abram. Tillard, G. Paske, R. Wakeman.

Examined and Signed, June 1700 per A. Tillard, G. Paske, R. Wakeman.

July per A. Tillard, G. Paske, R. Wakeman.

Aug. per A. Tillard, G. Paske, R. Wakeman.

Sep. per A. Tillard, R. Wakeman, G. Paske.

Octob. per A. Tillard, P. W. G. P.

Nov. per A. Tillard, G. Paske, R. Wakeman.

Dec. per A. Tillard, G. Paske, R. Wakeman.

Feb. per A. Tillard, G. Paske, R. Wakeman.

Mar. 1701 per A. Tillard, G. Paske, R. Waterman.

Apr. per A. Tillard, G. Paske, R. Wakeman.

May per A. Tillard, G. Paske, R. Wakeman.

July per A. Tillard, G. Paske, R. Wakeman.

Aug. per A. Tillard, G. Paske, R. Wakeman.

Sept.

Sep.	per A. Tillard, G. Paske, R. Wakeman.
Octo.	per A. Tillard, R. Wakeman, G. Paske.
Nov.	per A. Tillard, R. Wakeman, G. Paske.
Jan.	per A. Tillard, R. Wakeman, G. Paske.
Mar.	per A. Tillard, R. Wakeman, G. Paske.
Apr. 1702	per A. Tillard, R. Wakeman, G. Paske.
July	per A. Tillard, R. Wakeman, G. Paske.
Aug.	per A. Tillard, R. Wakeman, G. Paske.
Sep.	per A. Tillard, R. Wakeman, G. Paske.
Octo.	per A. Tillard, R. Wakeman, G. Paske.
Nov.	per A. Tillard, R. Wakeman, G. Paske.
Jan.	per A. Tillard, R. Wakeman, G. Paske.
Feb.	per A. Tillard, R. Wakeman, G. Paske.
Mar.	per A. Tillard, R. Wakeman, G. Paske.
Apr. 1703	per A. Tillard, R. Wakeman, G. Paske.
May	per T. Mackworth, J. Preston, E. Bromfield.
June	per T. Mackworth, J. Preston, E. Bromfield.
July	per T. Mackworth, J. Preston, E. Bromfield.
Aug.	per T. Mackworth, J. Preston, E. Bromfield.
Sep.	per T. Mackworth, R. Sterne, J. Preston, E. Bromfield.
Nov.	per R. Sterne, J. Preston, E. Bromfield.
Dec.	per R. Sterne, J. Preston, E. Bromfield.
Feb.	per R. Sterne, J. Preston, E. Bromfield.
Apr.	per R. Sterne, J. Preston, E. Bromfield.
June	per R. Sterne, J. Preston, E. Bromfield.
July	per R. Sterne, J. Preston, E. Bromfield.
Aug.	per R. Sterne, J. Preston, E. Bromfield.
Sep.	per R. Sterne, E. Bromfield, J. Preston.
Octo.	per R. Sterne, E. Bromfield, J. Preston.
Dec.	per R. Sterne, E. Bromfield, J. Preston.
Feb.	per R. Sterne, E. Bromfield, J. Preston.
Mar.	per E. Bromfield, R. Sterne, J. Preston.
1705 Apr.	per R. Sterne, E. Bromfield, J. Preston.
May	per R. Sterne, E. Bromfield, J. Preston.
June	per R. Sterne, E. Bromfield, J. Preston.
July	per R. Sterne, E. Bromfield, J. Preston.
Aug.	per R. Sterne, E. Bromfield, J. Preston.
Sep.	per R. Sterne, E. Bromfield, J. Preston.
1705	1705
Jan.	6 E. Bromfield, J. Preston, A. Brown,
2	7 E. Bromfield, J. Preston, A. Brown,
3	8 T. Mackworth, E. Bromfield, J. Preston,
4	9 T. Mackworth, E. Bromfield, J. Preston,
5	11 T. Mackworth, E. Bromfield, J. Preston,
6	12 E. Bromfield, J. Preston, A. Brown,
7	13 E. Bromfield, J. Preston, A. Brown,
8	15 T. Mackworth, E. Bromfield, J. Preston,
9	16 G. Paske, J. Preston, W. Plaxton,
10	19 G. Paske, J. Preston, W. Plaxton,
11	21 G. Paske, E. Bromfield, W. Plaxton,
12	23 T. Mackworth, J. Preston, E. Bromfield,
13	27 T. Mackworth, J. Preston, E. Bromfield,
14	28 T. Mackworth, J. Preston, E. Bromfield,
15	29 T. Mackworth, A. Brown, J. Preston,
16	30 T. Mackworth, A. Brown, J. Preston,
17	1 T. Mackworth, A. Brown, J. Preston,
18	2 E. Bromfield, J. Preston, H. Buck,
19	3 E. Bromfield, J. Preston, H. Buck,
20	4 T. Mackworth, E. Bromfield, J. Preston,
21	5 T. Mackworth, E. Bromfield, J. Preston,
22	6 T. Mackworth, E. Bromfield, J. Preston,
23	8 T. Mackworth, E. Bromfield, J. Preston,
24	9 E. Bromfield, T. Breton, J. Preston,
25	10 T. Breton, E. Bromfield, J. Preston,
26	11 T. Mackworth, E. Bromfield, J. Preston,
27	12 A. Brown, F. Collins, R. Chandler,
28	13 A. Brown, R. Chandler, F. Collins,
29	15 A. Brown, R. Chandler, F. Collins,
30	16 A. Brown, R. Chandler, F. Collins,
31	17 A. Brown, R. Chandler, F. Collins,
32	18 A. Brown, F. Collins, R. Chandler,
33	19 T. Mackworth, T. Mulso, J. Preston,
34	20 T. Mackworth, T. Mulso, J. Preston,
35	22 E. Bromfield, T. Mulso, J. Preston,
36	24 E. Bromfield, T. Mulso, J. Preston,
37	25 E. Bromfield, T. Mulso, J. Preston,
38	26 T. Breton, J. Preston, P. Wheake,
39	27 T. Breton, J. Preston, P. Wheake,
40	29 E. Bromfield, J. Preston, P. Wheake,
41	30 E. Bromfield, W. Gardner, P. Wheake,

1706.

May

June

July

August

1706.

Aug.

Sep.

Oct.

Nov.

- 1 J. Preston, A. Browne, W. Gardner,
 3 E. Bromfield, J. Preston, R. Williams,
 4 E. Bromfield, J. Preston, R. Williams,
 6 J. Preston, R. Williams, J. Whishaw,
 7 J. Preston, R. Williams, J. Whishaw,
 8 J. Preston, R. Williams, J. Whishaw,
 9 J. Preston, R. Williams, J. Whishaw,
 10 E. Bromfield, J. Preedy, J. Preston,
 11 E. Bromfield, J. Preston, J. Preedy,
 15 E. Bromfield, J. Preedy, J. Preston,
 16 E. Bromfield, J. Preston, J. Preedy,
 17 E. Bromfield, J. Preedy, J. Preston,
 18 E. Bromfield, J. Preston, J. Preedy,
 20 E. Bromfield, J. Preston, J. Preedy,
 21 E. Bromfield, J. Preston, J. Preedy,
 22 E. Bromfield, J. Preston, J. Preedy,
 23 E. Bromfield, J. Preston, J. Preedy,
 24 G. Paske, E. Bromfield, J. Child,
 25 G. Paske, E. Bromfield, J. Preston,
 27 G. Paske, E. Bromfield, J. Child,
 28 G. Paske, J. Child, J. Preston,
 30 G. Paske, E. Bromfield, J. Child,
 31 E. Bromfield, T. Breton, J. Preston,
 1 E. Bromfield, T. Breton, J. Preston,
 3 E. Bromfield, W. Freeman, J. Preston,
 4 E. Bromfield, W. Freeman, J. Preston,
 5 E. Bromfield, W. Freeman, J. Preston,
 6 T. Mackworth, W. Freeman, R. Nelson,
 7 G. Paske, J. Preston, W. Plaxton,
 8 G. Paske, E. Bromfield, J. Preston,
 10 G. Paske, J. Preston, E. Bromfield,
 12 G. Paske, J. Preston, E. Bromfield,
 13 G. Paske, J. Preston, E. Bromfield,
 14 T. Breton, E. Bromfield, J. Preston,
 15 T. Breton, J. Preston, E. Bromfield,
 17 T. Mackworth, E. Bromfield, J. Preston,
 18 T. Breton, J. Preston, H. Buck,
 19 T. Breton, H. Buck, J. Preston,
 20 E. Bromfield, J. Preston, H. Buck,
 21 T. Breton, E. Bromfield, J. Preston,
 22 T. Breton, E. Bromfield, J. Preston,
 25 E. Bromfield, J. Preston, R. Chandler,
 26 E. Bromfield, J. Preston, R. Chandler,
 28 J. Preston, R. Chandler,
 1 A. Browne, J. Preston, F. Collins,
 2 R. Sterne, A. Browne, E. Bromfield,
 3 J. Preston, R. Chandler,
 4 R. Sterne, E. Bromfield, A. Browne,
 5 A. Brown, J. Preston,
 6 R. Sterne, E. Bromfield, A. Browne,
 8 R. Sterne, E. Bromfield, W. Gardner,
 9 R. Sterne, E. Bromfield, A. Browne,
 10 R. Sterne, E. Bromfield, W. Gardner,
 11 R. Sterne, E. Bromfield, A. Browne,
 12 R. Sterne, E. Bromfield, W. Gardner,
 13 R. Sterne, E. Bromfield, A. Browne,
 15 R. Sterne, E. Bromfield, W. Gardner,
 16 R. Sterne, E. Bromfield, T. Railton,
 17 R. Sterne, E. Bromfield, J. Preston,
 18 R. Sterne, E. Bromfield, T. Railton,
 19 R. Sterne, E. Bromfield, T. Railton,
 20 E. Bromfield, J. Preston, W. Gardner,
 22 R. Sterne, J. Preston, W. Gardner,
 23 R. Sterne, J. Preston, R. Williams,
 24 R. Sterne, E. Bromfield, J. Preston,
 26 R. Sterne, J. Preston, R. Williams,
 27 R. Sterne, J. Preston, R. Williams,
 29 R. Sterne, J. Preston, R. Williams,
 30 R. Sterne, J. Preston, R. Williams,
 31 R. Sterne, J. Preston, R. Williams,
 1 R. Sterne, J. Preston, R. Williams,
 2 E. Harrison, R. Sterne, R. Williams,
 3 E. Harrison, R. Sterne, J. Preston,
 5 E. Harrison, R. Sterne, J. Preston,
 6 E. Harrison, E. Bromfield, R. Sterne,
 7 E. Harrison, R. Sterne, E. Bromfield,
 8 E. Harrison, E. Bromfield, R. Sterne,
 9 E. Bromfield, J. Preston, J. Preedy,
 10 E. Bromfield, J. Preston, J. Preedy,

- 12 E. Bromfield, J. Preston, J. Preedy,
 13 E. Bromfield, J. Preston, J. Preedy,
 14 E. Bromfield, R. Sterne, J. Preston,
 15 E. Bromfield, J. Preston, J. Preedy,
 16 E. Bromfield, J. Preston, J. Child,
 17 E. Bromfield, R. Sterne, J. Preston,
 19 E. Bromfield, J. Preston, J. Child,
 20 E. Bromfield, J. Preston, J. Child,
 21 E. Bromfield, J. Preston, J. Child,
 22 E. Bromfield, J. Preston, J. Child,
 23 T. Mackworth, E. Bromfield, J. Preston,
 26 T. Mackworth, R. Nelson, J. Preston,
 27 E. Bromfield, R. Nelson, J. Preston,
 28 T. Mackworth, R. Nelson, J. Preston,
 29 E. Bromfield, R. Nelson, J. Preston,
 30 R. Sterne, E. Bromfield, J. Preston,
 31 E. Bromfield, R. Sterne, J. Preston,
 3 R. Sterne, E. Bromfield, J. Preston,
 4 R. Sterne, E. Bromfield,
 5 R. Sterne, E. Bromfield, J. Preston,
 6 T. Mackworth, R. Sterne, J. Preston,
 7 R. Sterne, J. Preston, E. Bromfield,
 9 T. Mackworth, R. Sterne, J. Preston,
 10 R. Sterne, J. Preston, E. Bromfield,
 11 R. Sterne, J. Preston, H. Buck,
 12 R. Sterne, J. Preston, E. Bromfield,
 13 R. Sterne, J. Preston, E. Bromfield,
 14 R. Sterne, J. Preston, E. Bromfield,
 16 R. Sterne, J. Preston, E. Bromfield,
 17 J. Preston, P. Wheake, R. Chandler,
 18 J. Preston, P. Wheake, R. Chandler,
 19 J. Preston, P. Wheake, R. Chandler,
 20 J. Preston, P. Wheake, R. Chandler,
 23 J. Preston, P. Wheake, R. Chandler,
 24 J. Preston, P. Wheake, R. Chandler,
 25 J. Preston, P. Wheake, R. Chandler,
 26 J. Preston, P. Wheake, R. Chandler,
 27 A. Browne, J. Preston, F. Collins,
 28 A. Browne, J. Preston, F. Collins,
 30 A. Browne, J. Preston, F. Collins,
 1 J. Preston, F. Collins, R. Sterne,
 2 A. Browne, J. Preston, F. Collins,
 3 T. Railton, R. Sterne, J. Preston,
 4 J. Preston, E. Bromfield, T. Railton,
 5 T. Railton, R. Sterne, J. Preston,
 7 J. Preston, E. Bromfield, T. Railton,
 8 R. Sterne, J. Preston, E. Bromfield,
 9 R. Sterne, E. Bromfield, T. Railton,
 10 R. Sterne, J. Preston, E. Bromfield,
 11 J. Preston, W. Gardner, J. Whishaw,
 12 R. Sterne, J. Preston, J. Whishaw,
 14 J. Preston, W. Gardner, J. Whishaw,
 15 R. Sterne, J. Preston, R. Williams,
 16 R. Sterne, J. Preston, R. Chandler,
 17 R. Sterne, J. Preston, R. Williams,
 19 R. Sterne, J. Preston, R. Williams,
 21 R. Sterne, J. Preston, R. Williams,
 22 J. Preston, A. Browne, R. Williams,
 23 R. Sterne, J. Preston, R. Williams,
 24 T. Breton, J. Preston, R. Williams,
 25 E. Bromfield, J. Preston, J. Preedy,
 26 R. Sterne, T. Breton, E. Bromfield,
 29 E. Bromfield, J. Preston, J. Preedy,
 30 R. Sterne, T. Breton, E. Bromfield,
 31 E. Bromfield, J. Preston, J. Preedy,
 2 G. Paske, J. Preston, J. Child,
 4 G. Paske, J. Preston, A. Browne,
 6 G. Paske, J. Preston, J. Child,
 7 G. Paske, J. Preston, A. Browne,
 8 G. Paske, J. Preston, J. Child,
 9 G. Paske, J. Preston, J. Child,
 11 E. Bromfield, J. Preston, T. Breton,
 12 G. Paske, J. Preston, J. Child,
 13 E. Bromfield, J. Preston, T. Breton,
 14 R. Sterne, E. Bromfield, J. Preston,
 15 W. Plaxton, J. Preston, A. Browne,
 16 R. Sterne, E. Bromfield, J. Preston,
 18 W. Plaxton, A. Browne, J. Preston,
 19 R. Sterne, T. Breton, J. Preston,
 J. Preston,

1706.

Nov. 20 J. Preston, E. Bromfield, R. Williams,
 21 R. Sterne, E. Bromfield, J. Preston,
 22 J. Preston, E. Bromfield, R. Williams,
 23 R. Sterne, E. Bromfield, J. Preston,
 25 R. Sterne, G. Paske, J. Preston,
 26 T. Breton, E. Bromfield, J. Preston,
 27 R. Sterne, G. Paske, J. Preston,
 28 T. Breton, E. Bromfield, J. Preston,
 29 T. Breton, E. Bromfield, J. Preston,
 30 T. Breton, E. Bromfield, J. Preston,
 Decem. 2 T. Breton, J. Preston, E. Bromfield,
 3 T. Breton, E. Bromfield, J. Preston,
 4 J. Preston, G. Paske,
 5 T. Breton, J. Preston, E. Bromfield,
 6 E. Bromfield, G. Paske, J. Preston,
 7 J. Preston, R. Sterne, G. Paske,
 9 E. Bromfield, G. Paske, J. Preston,
 10 J. Preston, R. Sterne, E. Bromfield,
 11 E. Bromfield, G. Paske, J. Preston,
 12 J. Preston, R. Sterne, G. Paske,
 13 E. Bromfield, G. Paske, J. Preston,
 14 J. Preston, R. Sterne, G. Paske,
 16 R. Sterne, E. Bromfield, J. Preston,
 17 J. Preston, R. Sterne, G. Paske,
 18 R. Sterne, E. Bromfield, J. Preston,
 19 J. Preston, G. Paske, E. Bromfield,
 20 R. Sterne, G. Paske, J. Preston,
 22 J. Preston, G. Paske, E. Bromfield,
 24 R. Sterne, G. Paske, J. Preston,
 30 G. Paske, W. Pemble, J. Preston,
 Jan. 2 R. Sterne, G. Paske, J. Preston,
 3 R. Sterne, G. Paske, E. Bromfield,
 4 R. Sterne, G. Paske, E. Bromfield,
 7 R. Sterne, G. Paske, E. Bromfield,
 8 R. Sterne, G. Paske, E. Bromfield,
 9 R. Sterne, G. Paske, E. Bromfield,
 10 R. Sterne, G. Paske, E. Bromfield,
 11 R. Sterne, G. Paske, E. Bromfield,
 13 E. Bromfield, G. Paske, J. Preston,
 14 R. Sterne, G. Paske, J. Preston,
 15 E. Bromfield, G. Paske, J. Preston,
 16 R. Sterne, G. Paske, J. Preston,
 17 E. Bromfield, G. Paske, J. Preston,
 18 R. Sterne, G. Paske, J. Preston,
 20 R. Sterne, G. Paske, J. Preston,
 21 E. Bromfield, R. Sterne, J. Preston,
 22 R. Sterne, E. Bromfield, J. Preston,
 23 E. Bromfield, R. Sterne, J. Preston,
 24 R. Sterne, E. Bromfield, J. Preston,
 27 E. Bromfield, G. Paske, J. Preston,
 28 R. Sterne, E. Bromfield, J. Preston,
 29 R. Sterne, G. Paske, E. Bromfield,
 31 T. Mackworth, R. Sterne, J. Preston,
 Feb. 1 R. Sterne, G. Paske, J. Preston,
 3 T. Mackworth, R. Sterne, J. Preston,
 4 R. Sterne, J. Preston, R. Williams,
 5 J. Preston, E. Bromfield, G. Paske,
 7 R. Sterne, E. Bromfield, J. Preston,
 8 J. Preston, E. Bromfield, G. Paske,
 10 R. Sterne, E. Bromfield, J. Preston,
 11 G. Paske, R. Sterne, J. Preston,
 12 R. Sterne, E. Bromfield, J. Preston,
 13 G. Paske, R. Sterne, J. Preston,
 14 G. Paske, R. Sterne, J. Preston,
 15 G. Paske, R. Sterne, J. Preston,
 17 G. Paske, R. Sterne, J. Preston,
 18 G. Paske, R. Sterne, J. Preston,
 19 G. Paske, R. Sterne, J. Preston,
 20 G. Paske, R. Sterne, J. Preston,
 21 R. Sterne, E. Bromfield, J. Preston,
 22 R. Sterne, G. Paske, E. Bromfield,
 25 R. Sterne, E. Bromfield, J. Preston,
 27 R. Sterne, G. Paske, J. Preston,
 28 R. Sterne, E. Bromfield, J. Preston,
 March 1 R. Sterne, E. Bromfield, J. Preston,
 3 T. Breton, R. Sterne, G. Paske,
 4 R. Sterne, G. Paske, J. Preston,
 5 R. Sterne, E. Bromfield, J. Preston,
 6 R. Sterne, G. Paske, J. Preston,

1706.

March 7 J. Preston, R. Sterne, E. Bromfield,
 10 J. Preston, G. Paske, E. Bromfield,
 11 J. Preston, R. Sterne, E. Bromfield,
 12 J. Preston, E. Bromfield, G. Paske,
 13 J. Preston, R. Sterne, E. Bromfield,
 14 R. Sterne, G. Paske, J. Preston,
 15 R. Sterne, G. Paske, E. Bromfield,
 17 R. Sterne, G. Paske, J. Preston,
 18 T. Mackworth, G. Paske, J. Preston,
 19 G. Paske, J. Preston, E. Bromfield,
 20 T. Mackworth, G. Paske, J. Preston,
 21 R. Sterne, G. Paske, J. Preston,
 22 R. Sterne, E. Bromfield, J. Preston,
 24 R. Sterne, J. Preston, E. Bromfield,
 26 R. Sterne, G. Paske, E. Bromfield,
 27 R. Sterne, J. Preston, E. Bromfield,
 28 R. Sterne, E. Bromfield, J. Preston,
 29 R. Sterne, J. Preston, E. Bromfield,
 31 R. Sterne, E. Bromfield, J. Preston,
 April 1 R. Sterne, E. Bromfield, J. Preston,
 2 R. Sterne, E. Bromfield, J. Preston,
 3 R. Sterne, E. Bromfield, J. Preston,
 4 R. Sterne, E. Bromfield, J. Preston,
 5 R. Sterne, J. Preston, R. Williams,
 7 R. Sterne, J. Preston, E. Bromfield,
 8 R. Sterne, J. Preston, E. Bromfield,
 10 R. Sterne, E. Bromfield, F. Collins,
 12 R. Sterne, G. Paske, J. Preston,
 17 R. Sterne, J. Preston, E. Bromfield,
 18 R. Sterne, G. Paske, J. Preston,
 19 R. Sterne, J. Preston, E. Bromfield,
 21 R. Sterne, G. Paske, J. Preston,
 24 R. Sterne, G. Paske, J. Preston,
 26 R. Sterne, G. Paske, J. Preston,
 28 R. Sterne, G. Paske, J. Preston,
 29 R. Sterne, G. Paske, J. Preston,
 30 R. Sterne, G. Paske, J. Preston,
 May 2 R. Sterne, G. Paske, J. Preston
 3 R. Sterne, G. Paske, J. Preston,
 5 R. Sterne, G. Paske, J. Preston,
 6 R. Sterne, E. Bromfield, J. Preston,
 7 R. Sterne, G. Paske, J. Preston,
 8 R. Sterne, J. Preston, E. Bromfield,
 9 R. Sterne, E. Bromfield, J. Preston,
 10 R. Sterne, J. Preston, G. Paske,
 12 R. Sterne, E. Bromfield, J. Preston,
 13 R. Sterne, G. Paske, J. Preston,
 14 R. Sterne, G. Paske, J. Preston,
 15 R. Sterne, E. Bromfield, J. Preston,
 16 R. Sterne, E. Bromfield, J. Preston,
 17 R. Sterne, E. Bromfield, J. Preston,
 19 G. Paske, E. Bromfield, J. Preston,
 20 E. Bromfield, J. Preston, F. Collins,
 21 J. Preston, R. Williams,
 23 J. Preston, E. Bromfield, F. Collins,
 24 J. Preston, R. Williams,
 26 G. Paske, E. Bromfield, J. Preston,
 27 G. Paske, E. Bromfield, J. Preston,
 28 G. Paske, E. Bromfield, J. Preston,
 30 G. Paske, F. Collins, J. Preston,
 31 G. Paske, J. Preston, F. Collins,
 June 5 G. Paske, F. Collins, J. Preston,
 6 G. Paske, F. Collins, J. Preston,
 7 G. Paske, F. Collins, J. Preston,
 9 G. Paske, F. Collins, J. Preston,
 10 J. Preston, R. Chandler, P. Wheake,
 12 J. Preston, G. Paske, F. Collins,
 13 J. Preston, R. Chandler, P. Wheake,
 16 J. Preston, R. Chandler, P. Wheake,
 17 J. Preston, R. Chandler, P. Wheake,
 18 J. Preston, R. Chandler, P. Wheake,
 19 J. Preston, R. Chandler, P. Wheake,
 20 J. Preston, T. Breton, G. Paske,
 21 T. Breton, G. Paske, J. Preston,
 23 E. Harrison, J. Preston, J. Sadlier,
 25 J. Preston, G. Paske, W. Gardner,
 26 E. Harrison, J. Preston, J. Sadlier,
 27 J. Preston, G. Paske, J. Sadlier,
 28 E. Harrison, R. Williams, J. Preston,
 30 J. Preston,

1707.

- Jan. 23 F. Collins, G. Paske, J. Preston,
 24 F. Collins, G. Paske, J. Preston,
 25 F. Collins, G. Paske, J. Preston,
 27 W. Fenwick, E. Clark, E. Bromfield,
 28 B. Mackworth, H. Lovibond, A. Browne,
 29 W. Fenwick, E. Clark, E. Bromfield,
 31 B. Mackworth, H. Lovibond, A. Browne,
 Feb. 3 W. Fenwick, E. Clark, E. Bromfield,
 4 B. Mackworth, H. Lovibond, J. Whishaw,
 5 W. Fenwick, E. Clark, E. Bromfield,
 7 W. Fenwick, E. Clark, E. Bromfield,
 9 T. Breton, P. Wheake, R. Chandler,
 10 W. Fenwick, E. Clark, E. Bromfield,
 11 T. Breton, P. Wheake, R. Chandler,
 12 W. Fenwick, E. Clark, E. Bromfield,
 13 E. Harrison, J. Child, E. Lightfoot,
 14 T. Breton, R. Chandler, J. Preston,
 16 E. Harrison, J. Child, E. Lightfoot,
 17 T. Breton, P. Wheake, R. Chandler,
 19 E. Harrison, J. Child, E. Lightfoot,
 20 E. Harrison, J. Child, E. Lightfoot,
 21 F. Collins, J. Preston, E. Harrison,
 23 E. Harrison, J. Child, E. Lightfoot,
 25 F. Collins, J. Preston, E. Harrison,
 26 E. Harrison, J. Child, E. Lightfoot,
 27 F. Collins, J. Preston, E. Harrison,
 28 F. Collins, R. Williams, E. Harrison,
 March 1 F. Collins, J. Preston, E. Preston,
 2 F. Collins, J. Preston, E. Harrison,
 3 F. Collins, J. Preston, E. Harrison,
 4 F. Collins, H. Buck, J. Preston,
 5 F. Collins, H. Buck, J. Preston,
 6 F. Collins, H. Buck, J. Preston,
 9 F. Collins, H. Buck, J. Preston,
 10 F. Collins, G. Chester, J. Preston,
 11 F. Collins, H. Buck, J. Preston,
 12 F. Collins, R. Curtis, G. Chester,
 13 F. Collins, G. Chester, J. Preston,
 15 F. Collins, J. Sadlier, J. Preedy,
 16 F. Collins, G. Chester, R. Curtis,
 17 T. Breton, G. Jackson, E. Harrison,
 18 F. Collins, G. Chester, R. Curtis,
 19 J. Haller, F. Collins, W. Fenwick,
 20 W. Fenwick, A. Browne, J. Preedy,
 22 G. Jackson, F. Collins, T. Breton,
 23 W. Fenwick, J. Sadlier, J. Preedy,
 24 G. Jackson, F. Collins, W. Fenwick,
 27 G. Jackson, F. Collins, W. Gardner,
 30 G. Jackson, F. Collins, W. Gardner,
 April 1 G. Jackson, F. Collins, W. Gardner,
 8 F. Collins, W. Fenwick, G. Jackson,
 10 F. Collins, W. Fenwick, G. Jackson,
 W. Gardner,
 13 G. Jackson, W. Fenwick, F. Collins,
 W. Gardner.

1707.

- 15 T. Breton, W. Gardner, F. Collins,
 17 J. Haller, F. Collins, E. Harrison,
 20 F. Collins, T. Breton, E. Harrison,
 21 J. Haller, E. Harrison, F. Collins,
 26 T. Breton, F. Collins, W. Gardner,
 28 F. Collins, T. Breton, W. Gardner,
 30 T. Breton, F. Collins, W. Gardner,
 4 H. Buck, A. Browne, J. Sadlier, E.
 Harrison,
 6 H. Buck, A. Browne, J. Sadlier,
 8 H. Buck, E. Harrison, A. Browne, J.
 Sadlier,
 12 H. Buck, A. Browne, E. Harrison,
 14 H. Buck, A. Browne, E. Harrison,
 15 H. Buck, A. Browne, E. Harrison,
 16 H. Buck, A. Browne, E. Harrison,
 17 H. Buck, E. Harrison, Son. E. Har-
 rison, Jun.
 July 8 F. Collins, E. Harrison,
 9 E. Harrison, Son. H. Buck, E. Har-
 rison, Jun.
 August 12 H. Buck, E. Harrison, Jun.
 Oct. 1 A. Browne, E. Harrison, Jun.
 1708.
 Nov. 12 A. Browne, E. Harrison, Jun.
 Jan. 3 A. Browne, E. Harrison, Jun.
 Feb. 15 A. Browne, E. Harrison, Jun.
 Mar. 26 W. Gardner, H. Buck, A. Browne,
 29 W. Gardner, A. Browne, H. Buck,
 31 G. Jackson, F. Collins, W. Gardner,
 April 3 G. Jackson, F. Collins, W. Gardner,
 9 F. Collins, W. Fenwick, G. Jackson,
 W. Gardner,
 12 G. Jackson, W. Gardner, F. Collins,
 W. Fenwick,
 14 T. Breton, F. Collins, W. Gardner,
 15 F. Collins, T. Breton, E. Harrison,
 19 F. Collins, T. Breton, E. Harrison,
 21 J. Haller, F. Collins, E. Harrison,
 24 J. Haller, F. Collins, E. Harrison,
 27 T. Breton, F. Collins, W. Gardner,
 29 T. Breton, F. Collins, W. Gardner,
 3 H. Buck, A. Browne, J. Sadlier,
 5 H. Buck, A. Browne, J. Sadlier,
 7 H. Buck, E. Harrison, Jun. A.
 Browne, J. Sadlier,
 11 H. Buck, A. Browne, J. Sadlier,
 14 H. Buck, A. Browne, E. Harrison, Jun.
 17 H. Buck, A. Browne, E. Harrison, Jun.
 20 H. Buck, E. Harrison, Jun.
 21 H. Buck, A. Browne, E. Harrison, Jun.

At a Court of Directors, &c. On Friday 11th of March, 1708—9.

WHEREAS Mr. Waller of Trifeshire, in the County of Cardigan, hath agreed to Order upon Mr. Waller, to serve the Governor and Company of the Mine-Adventurers of England, as their Steward or Agent, in managing and looking after the Working of the Mines in Wales, at the Salary of one hundred Pounds, for every ten thousand Pounds Clear Profit out of the said Mines: And in Consideration thereof, and for other valuable Consideration, hath covenanted and agreed, with Sir Humphry Mackworth Deputy Governor of the said Company on their behalf, That he the said William Waller, shall and will, from time to time, well and truly serve the said Company, and obey the Orders of the Court of Directors of the said Company, for the time being: And whereas, the said William Waller, hath formerly received Instructions from the said Directors in Writing, for the better managing the said Mines and Works, which have not been duly observed; and for as much as in this present Juncture it's requisite and necessary, for the Service of the said Company, and for preserving, managing, and carrying on the Working of the said Mines to profit and advantage: That the said William Waller should speedily go down to the Mines, to take care thereof, according to the said Instructions.

It's therefore Ordered, by this Court, That he the said Mr. William Waller, shall and do, within the Space of one Week next after Notice hereof, by Service of this Order, begin his Journey from London, to the said County of Cardigan, and consume the same with all convenient Speed, till he arrive at the Mines of the said Company, and then and there, take Care and look after the said Mines, and Miners there: And direct the Working the same to the best Advantage.

At a Court of Directors, &c. On Monday 14th of March, 1708—9.

Ordered, That Mr. William Waller should, and do within the Space of four Days next after Notice of this Order, assign over to this Company, all such Grants and Leases of Mines and over the Mines Minerals, in Trust.

Minerals, as have been made or taken in his Name, singly or jointly with Sir *Humphry Mackworth* in Trust for them: And also shew Cause to the Court, why he should not come to an Account with this Company, for such Principal Money, Annuities and Shares, as he claims on Pretence of Arrears of Salary, in the time of the Old Partners, when none was due.

At a Court of Directors, 1st of April, 1709. Mr. *Waller* not having obeyed the Orders of this Court, it is Ordered that the said Mr. *Waller* have Notice to attend on Monday next; to answer to such Matters as shall be then objected against him.

At a Court of Directors, &c. On Wednesday 8th of June, 1709.

Ordered, That the Bill against Mr. *Waller* be prepared; and that Mr. *Bretton* with the Assistance of Serjeant *Commins* be desired to prepare the same; and that they also prepare a Bill for the Creditors.

At a Court of Directors, &c. On Friday 17th of June, 1709.

Ordered, That Mr. *Waller* be prosecuted both at Law and Equity; and that Mr. *Whishaw* take out Writs against him; as also against Mr. *Simon Pryse*, and his Security; and pursue the Advice of Mr. *Bretton*, and Mr. Serjeant *Commins* therein.

At a Court of Directors, &c. On Wednesday 29th of June, 1709.

The Draft of a Bill in Chancery, drawn in Pursuance of the Order of this Court, against Mr. *William Waller*, being read, was Nominated Contradicente, approved and,

Ordered, That the same be filed and prosecuted with the utmost Vigour; and that Mr. *Whishaw* take care thereof.

I Die Julii, 1709. Herne,

To the Right Honourable William Lord Cooper, Baron of Wingham, Lord High Chancellor of Great Britain:

HUMBLE Y complaining, shew unto your Lordship your Orators the Governor and Company of the Mine Adventurers of England, and Sir *Humphry Mackworth* of *Neath* in the County of *Glamorgan* Knt. Deputy Governor of the said Company, That in, or about the Month of *October*, in the Year of our Lord, 1698. Your Orators or those under whom they claim, engaged in an Undertaking, for the Working and Manufacturing of Mines and Minerals in *Wales*, to which they were induced by the great Assurances made to them by one *William Waller* who had for many Years before been employed as Steward of the Mines of *Bwlchyr-Eskyr-hyr*, late of *Sir Carbery Pryse*; and by his Estimations of the Annual Value of the said Mines, amounting to 70500 l. per Annum. And his Calculations of the Profits might be made thereof, thereby pretending to demonstrate, That the same Quantity of Ore raised at the said Mines in *Eskyr-hyr*, would bring in seven times as much Clear Profits to the said Company, as if the same were raised in other Mines, in the *North of England*; so great was the Difference as he affirmed between the Price of raising and carriage of the Ore, and other Advantages of one Place above another. And by his making Maps of the several Veins in the said Mountain, and describing the same with great Exactness, as by the same may appear, your Orators were induced to give Credit to the said *Waller*, for the Truth and Reality of the Matters of Fact by him asserted; and the rather because at that time the Mines were under Water, and could not be viewed by any other Persons whatsoever. And the said *Waller* expressed so great a Confidence of the Truth of the said Matters of Fact by him asserted, that whereas he was to have, or claimed the Salary 250 l. per Annum, only from the old Partners of the said Mines; he the said *William Waller* then offered to take the Management of the Mines for the time to come, for the Salary of 100 l. for every 10000 l. Clear Profits to the Company, whereby the Company must have made 25000 l. per Annum Clear Profits, before the said *Waller* could have 250 l. Salary, as he claimed from the old Partners: And by these and other means, he persuaded your Orators to advance considerable Sums of Money for carrying on the said Works, and for erecting Smelting and Refining Houses at *Garreg*, and other Houses for the Miners and Workmen upon the Mountains in *Cardiganshire*. And he took the Charge of the Management of your Orators Affairs in those Parts upon himself, having other Assistants under him, who were to be obedient to his Orders and Directions: And by his great Promises, solemn Protestations, and Assurances to Sir *Humphry Mackworth* Deputy Governor, he gained so much Credit with him, as to make him believe, that there were great Arrears of Salary due to him from the old Partners, before the Company was engaged; and that he would be very generous in taking Tickets in the Mine Adventure Lottery, instead of ready Money for the same, but hoped the said Sir *Humphry Mackworth*, who together with Sir *Thomas Mackworth* was entrusted with the Management of the said Lottery, and with a confidential number of Tickets to dispose of at their, and Sir *Humphry Mackworth*'s or one of their Discretion, would give him some Reward for all his Services and Informations; and helping him and his Partners to so vast a Treasure. Whereupon the said Sir *Humphry Mackworth* was prevailed upon (not in the least distrusting the Truth of what he had frequently and solemnly, and with great Assverations affirmed, both in Publick and Private) And did give him Tickets in the said Lottery, to the Value of 2500 l. for his Arrears of Salary, and 1000 l. in Tickets more as a Gratuity; but all this was done upon express Condition, and in Confidence only, that all the Matters of Fact affirmed by him, set forth and described in his Essay on the Value of the Mines, and in his Maps should hereafter when the Mines are dreined, and the Water and other Impediments removed appear to be true, as he had related: And that in Case they should appear otherwise, then he the said *William Waller*, should stand Accountable for the Value of the said Tickets, to your Orator the said Sir *Humphry Mackworth*, and the other Partners in the said Mines. And your Orator Sir *Humphry Mackworth*, further sheweth, That the said *Waller* expressed so great Confidence of the great Advantages would be made by the said Mines, and by purchasing the Interest and Shares therein, late of *Sir Carbery Pryse*'s, that he offered to become Partner with the said Sir *Humphry Mackworth*, in the Purchase thereof, which was accepted accordingly: And having entered into Partnership, your said Orator had reason to give great Credit to the said *Waller*'s Advice, and Assertions; and thereupon, was persuaded by the said *Waller* to purchase the Mines in another Mountain, called *Eskyfraith*, adjacent to the Mines of *Eskyr-hyr*, from *Edward Pryse* Esq; who immediately succeeded *Sir Carbery Pryse*, for the Sum of 7000 l. which

he was the rather induced to do, because the said *Waller* confidently affirmed, that by the Rules of Mining, in which he pretended to be very Skilful, and by several Tryals made by his Order in the said Mountains; all the rich Mines of *Eskyr-hyr*, did most certainly run through the adjacent Mountain, called *Eskyr-fraith*, which lay in the Course of the said Vein, and had a much deeper Level, and that therefore the said Mines, could be wrought there to a much greater Advantage than in *Eskyr-hyr* it self. And your Orators shew, That the said *Waller* did desire no more than one Year, to put the said Mineral Works in a good Working Condition; and for that Year, the Company did allow, and pay him, 250*l.* for his Salary. And your Orators shew, That they putting an entire Confidence in the said *Waller*, did, at the Request, and upon the Encouragement of the said *Waller*, send great Quantities of Cole, Iron, Roap, Sturbridge Clay, Bricks, and other Stores, to the Hands, or to the Order and Direction of the said *William Waller*, at the Silver Mills, in the said County; and sometimes to a Place called *Gareg*, near to the Place called *Wales*, where the said *Waller* lives: And did entrust the said Cole, Iron, and other Stores, to the Management of the said *Waller*; and such other Persons as were employed as Assistants, and under Officers, under him as aforesaid: Which Stores from time to time, amounted to the Value of 10000*l.* or thereabouts: And for which the said *William Waller* was to be accountable unto your Orators. And your Orators likewise entrusted the said *Waller*, in taking Bargains and Leases of Mines and Liberties, for the Use of your Orators in *Wales*; and letting, and making Bargains with the Miners, Carriers, and Workmen; and in Measuring their Works, and seeing that they did faithfully Work, and carry on the Mines to the best Advantage, and for the common Profit and Benefit of your Orators; and for that Purpose to appoint such under Stewards, as he should think fit. And the said *Waller* was also entrusted with the laying out Money, in keeping all the Account of the said Company, in the said County of *Cardigan*: And tho' for sometime, there had been a pay Steward, who received and paid the Money in Ease of the said *Waller*, yet he was to be obedient to the Orders of the said *Waller*: And to pay no Money but by his Directions in Writing, except Subsistence Money; and in that Case the said *Waller* was to keep a Check Account; and to take Care that the Miners followed their Works, and did not run in Debt to your Orators; and it is the proper Business of all Grove Stewards so to do. And your Orator *Sir Humphry Mackworth*, further shews, That after the Water was drained of the said Mines in *Eskyr-hyr*, your Orator went down to view the same, and not finding that the said *Waller* had brought the Mines to that Perfection he had promised, and the said *Waller* refusing to contribute, and pay his Proportion of the Purchase Money, which was to be paid to, *Mr. Pryse*, for the Shares of *Sir Carbery Pryse*; your Orator was advised and accordingly did dispose of some Shares as were not entred in his own Name, but appropriated for that Purpose, if Occasion did require, in Order to pay part of the said Debt: And your Orator was obliged to, and did sell an Estate in *Shropshire*, for Payment of the Residue thereof; but afterwards the said *Waller*, in driving up a Level in the said Mountain, called *Eskyr-hyr*, in a Vein which he always called a dead Vein, by good Fortune struck into a quick Vein, in which considerable Quantities of Ore were raised. And your Orator *Sir Humphry Mackworth*, having also taken other Mines rich in Silver, that were refused by the Company, but proving afterwards very Good were at their Request assigned to them. And the said *Waller* in all his Letters to the Company, and to several private Partners, extolling the Richness of these new Veins, one of them holding 70 Ounces of Silver, in a Tun of Lead, or thereabouts: And in all Discourses to your Orator, under the greatest Protestations of Friendship, still affirming that tho' the Miners had met with hard Rocks, that delayed their Levels and Works, yet if the Company could be supported a little longer, all those rich Mines would be brought to Perfection, and vast Treasure raised out of the same, that would in a very few Years, not only Reimburse all the Expences, and dead Charges of the Company, but repay all the Costs of the Original Purchase with great Profit to themselves. Your Orator the said *Sir Humphry Mackworth*, was thereby induced to lend, and give Credit to the Company for considerable Sums of Money, amounting to 10000*l.* and upwards, and did advise his Brother, and other near Relations, and particular Friends, to advance considerable Sums of Money for the carrying on the said Works, on the Credit of the Company's Seal; and several others of the Directors, and many Partners, did also lend great Sums of Money on the Credit of the said *Waller's* publick Letters to the Company; and other private Letters writ under Protestation of particular Friendship to several of them: All which did magnifie the Richness of the Veins, and what great profit might be expected from them, if the Partners would persist to support the Company, and carry on the Works: And the said *Waller* did also pretend to great Skill in, and did undertake to manage the Raising, Smelting, and Refining of the said Mines and Minerals, in the said County; and accordingly did manage the same. And your Orators further shew, That the said *Waller* hath without any real and good Consideration, and without Payment of any Money upon Pretence of Money expended in Working of Mines, when none or very little had been so expended, but was allowed to him in other Accounts, obtained several Bonds and Bills under the Company's Seal; and of late Years your Orators observing that the said *Waller* was very slow in his Proceedings, and not being able to get all his Accounts from the Mines sent up according to Directions; but several Excuses being made from time to time, and a Fault laid on others, tho' the said *Waller* always kept an Account of the same, and of Stores, and of other Proceedings; and could, and ought, by the Trust reposed in him, have given an Account thereof, as he is the chief Manager and Agent entrusted by the Company. Your Orators did therefore endeavour, to find a fit Person to supervise the said Works; and after some time, they did find out and employ one *Joseph Hayward*, of *Mattlock*, in the County of *Derby* Gent. to supervise the same, and to manage several of them, and Smelting the said Ore. And your Orators do now find, that though the said New Mines granted to them by the said *Sir Humphry Mackworth*, were, and are very rich, and would with good Management have yielded great Profit in the Company; yet the said *Waller* hath made none thereof, nor discharged his Trust, either with Skill or Fidelity, in the Management of them, having suffered several of the Miners and Workmen to run in Debt to the Company, to the Sum of 3 or 4 hundred Pound, and did not take care that the said Workmen did follow their Work, so much as to gain their Subsistence, which is about 3*s.* and 6*d.* per Week; and not above one half of what is their usual Wages; and of what they might gain if they had followed their Work as usual. And the said *William Waller*, hath caused, or occasioned, to be expended in the Smelting

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Smelting of the Ores of the said Mines, three times as much as they might have been Smelted for, by any ordinary Artist, or as they are Smelted for at this time. And your Orators have lost by his Management in Raising, and Smelting the Ore, and Slaggs, and in Refining, and Reducing, 8000*l.* lost by 8000*l.* and upwards. And your Orators charge, that the said *Waller* has made private Advantages of several Bargains for Mines, Woods, Buildings, Liberties, Smelting, Refining, and Raising of Ore, and other Matters; whereby he has raised himself, from a very low Condition, to a great Estate in Land and Money, and hath purchased an Estate lately in the *North of England*, and has great Sums of Money by him: And on Bonds, Mortgages, and other Securities, which he could not come by, but from some indirect Practice; and by making such private Advantages as aforesaid. And the said *Waller* well knew, that there was no such Quick Veins in *Eskyrbyr*, as he had described, or at least not of that Goodness, or Largeness in firm Ore, and hath since given over working in the said Mountain. And your Orators further shew, That the said Deputy Governor, having some Suspicion of the said *Waller*, and out of Zeal and Concern for the Interest and Service of this Company; did take care to oblige the said *Waller* to Covenant, that he would not ask, or desire any other, or further Salary than as aforesaid; and that he would be Obedient to the Orders of the Court of Directors, for the time being; and that he would assign over all Mines, taken in his Name, to your Orators; and that it should be lawful for the said Sir *Humphry Mackworth*, to charge the engrailed Stock of the new Partners, with any Sum not exceeding 5000*l.* for the manifest Good and Benefit of your Orators, and this Undertaking. All which the said *Waller* tho' often requested, doth refuse to do, consent to, or comply with. And on the contrary, doth endeavour by these, and other Ways and Means, to prejudice your Orators, encouraging the Miners, Workmen, and others at this Time, to obstruct the Works, and the Carriage of the Ore belonging to the Company; and to destroy their Company, and Undertaking, in Order as your Orators have reason to believe, to save himself from any Prosecutions for his unjust Practices: Tho' it now appears, that the said *Waller* had no Arrears of Salary due to him, because he had made no Profits of the Mines out of which his Salary was to arise, and be paid. And the said *Waller*, hath not made good his said Assertions, and Promises; neither did any of the Mines and Matters of Fact related and described by *Maps* aforesaid, in *Eskyrbyr*, appear to be such as he affirmed them to be; yet the said *Waller* pretends to keep the Profits of all the said Tickets, and Stock arising from the same, to his own Use, and not to account for the same to your Orators, or any of them, as he ought to do. And it now appears, that the said *Waller* had a considerable Share of the 7000*l.* paid for the Mines, in the Mountain called *Eskyrfraith*, which never yielded one Farthing Profit: And which the said *Waller* then knew, were not worth any thing, but merely contrived to advance the Sale and Credit thereof, for his own private unjust Gain and Advantage. And in like Manner prevailed, that one *Curtis* should have 1000*l.* in the new engrailed Stock, when ever the same should take Effect: And at the same time took a Note from the said *Curtis*, to go half's with him; and so he has perswaded your Orators to make several Contracts and Bargains, and to advance Money upon the same. And the said *Waller*, who was entrusted to manage for their best Advantage, hath had a Share of the Money advanced. And the Miners, or under Stewards, have been paid, or allowed for more Work, than has been done in several Places, amounting to a great Sum of Money: And more Ore has been raised than has been accounted for to your Orators, in several Veins; all which tend to the Wrong and Prejudice of your Orators, and many poor Families that have adventured their Money in this Undertaking, believing from the Letters sent up by the said *Waller*, that the same was likely to tend to their own, and the publick Good; all which Actings and Doings of the said *William Waller*, are contrary to Equity and good Conscience. And the said *William Waller*, ought to account unto your Orators, for all such Monies, Stores and Goods, of your Orators, as have been under his Care and Management, or come to his Hands; and which he the said *William Waller*, hath imbezzled or diverted to his own Use. And ought to deliver up to your Orators, all such Bonds, Bills and Notes, as have been given to him, upon Pretence of Money due from your Orators, to him, when no such were really due to him, nor any Consideration paid by him for the same. In tender Consideration whereof, and for as much as your Orators, have no other Relief in the Premises, but in this honourable Court, where Matters of Trust and Fraud are properly Examinable; and for as much as your Orators Witnesses, who should prove the Premises, are dead, or in Parts remote beyond the Seas. To the End therefore, that the said *William Waller*, may upon his Corporal Oath, true and perfect Answer make, to all and singular the Premises, as if the same were herein again particularly enumerated, and interrogated: And particularly, that the said *William Waller*, may set forth and discover, whether he did not give such Relations and Descriptions of the said Mines, and such Encouragements to your Orators, to proceed in the said Undertaking: And whether such Tickets to the Value of 25000*l.* and such other Tickets, or the Gratuity of 1000*l.* were not given by the said Company, or your Orators, to the said *William Waller*, upon Confidence that his Assertions, relating to the said Mines, should prove true; or upon what other Terms or Considerations, the same, or any, and which of them were given; and what Quantities of Cole, Iron, and other Commodities and Stores, have been transmitted to him by your Orators; and when and to what Value; and how he hath employed or disposed the same; and what Profit he hath made of the Ores taken out of your Orators Mines, or any of them which were under his Care and Management. And that the said *William Waller*, may assign over, and deliver up to your Orators, all Leases or Grants of Mines, Houses, Liberties, or other things in his Custody, or Power, or held by him, or in his Name, jointly or severally, in Trust for your Orators. And that the said *William Waller*, may come to an Account with your Orators, for the said

and 1000*l.* delivered him in Tickets as aforesaid, and may set forth, whether the said Sum of 7000*l.* paid for *Eskyrfraith*, or what part thereof came to his Hands; and whether any, and what Part thereof, or other Monies of your Orators, out of the Profits of the said Mines, or otherwise, hath come to his Hands, or been disposed to his own Use. And that the said *William Waller*, may Account to your Orators for the same, and may give your Orators Satisfaction, for all such Damages your Orators have sustained, by his wilful Neglect or Default as aforesaid; and for all Money, Goods, and Stores, entrusted under his Care, as aforesaid; and may discover what were the Considerations he gave, or what Sums of Money he

paid, or disbursed, or pretended to pay, or disburse in Working the said Mines, or upon what other Grounds, or Pretences, he obtained the said Bonds and Bills, under the said Company's Common Seal: And that the same, or such of them as shall appear to have been fraudulently obtained upon false and untrue Suggestions, without any real Consideration, may be cancelled and delivered up to your Orators. And that your Orator Sir *Humphry Mackworth*, may be enabled to charge the said new Engraftment, with any Sum not exceeding 50000 £. for the Good and Advantage of the said Company, and the more effectual carrying on the Undertaking of the same. And that your Orators may be relieved, in all, and singular the Premises, according to Equity and good Conscience: And in such Manner, as to your Lordship in your great Wisdom shall seem Meet. May it please your Lordship, the Premises considered, to grant unto your Orator, Her Majesty's most Gracious Writt, or Writs of *Subpana* to be directed, to the said *William Waller*, thereby Commanding him, &c.

J. COMINS.

At a General Court, held 5th July, 1709.

Then the Bill, by Order of the Court of Directors, in the High Court of Chancery, against Mr. *Waller*, was read and approved.

Ordered, That the same be prosecuted with Vigour.

Ordered, That Mr. *Waller* be, and is hereby discharged out of his Office, and Employment under this Company.

At a Court of Directors, &c. On Friday 8th of July, 1709.

Ordered, That an Assignment of all Leases made to Mr. *Waller*, on Account of this Company be drawn up: And that the same be tendered to Mr. *Waller*, in Order to have the same executed.

Ordered, That Mr. *Waller* be not admitted to make any transfer of his Stock, or receive any *Waller no Interest* on his Bonds; until he hath settled his Accounts with this Company.

Transfer.

At a Court of Directors, &c. On Wednesday 20th July, 1709.

Ordered, That Mr. *Waller* on, or before the 20th of August next, deliver the Possession *Inishire*, of the House and Lands at *Inishire*, in *Cardiganshire*; to Mr. *John Murgatroyd*, for the Use of the Company: And in Case default be made therein, That then the said Mr. *Waller* pay at the Rate of 100 £. per Annum Rent, for so long time as he shall hold the same, after the 20th of August as aforesaid.

At a Court of Directors, 27th of July, 1709.

Ordered, That the giving Commissioners Names for the taking of Mr. *Waller's* answer, at *Inishire*, in *Cardiganshire*, be taken into Consideration the next Court.

At a Court of Directors, 29th of July, 1709. This Court being informed, that Mr. *Waller* *Waller's Ad-* hath put in several Advertisements into the publick Prints, and particularly in the *Gazette*, *vertisements Flying-Post*, and *Post-Man*, and the same being false and scandalous.

false.

Ordered, That the said Mr. *Waller* be prosecuted for the same, and that the Advice of Mr. *Serjeant Comins*, and Mr. *Breton* be taken therein, and that Mr. *Whishaw* take Care of the same.

At a Court of Directors, 23^d of November, 1709. Mr. *Waller's* Answer to the Bill exhibi- *Information a-* ted against him by this Company, and Sir *Humphry Mackworth* being read, and it appearing to gainst *Waller*. this Court, that the said *Waller* had been grossly mistaken in his said Answer.

Ordered, That an Information in the Queen's Bench, be brought and filed against the said Mr. *Waller*; as Council shall advise.

Ordered, That Exceptions be filed to Mr. *Waller's* Answer, as Council shall advise, and that Exceptions. Mr. *Dykes* pay the few Fees thereof, as also of the Information.

Mr. *Waller* to Sir *Thomas Mackworth*—I have yours of the 2^d Instant, and am glad to July 9th, find you are so well pleased with your Mrs. *Goginian*; it proves a glorious Work, I doubt not but 1706. it will be shortly as wide as the Old Man had it, which was six and seven Foot wide: It is now a Yard wide. My Mrs. at *Cumsumblock*, that Shaft proved hard, which hath stop'd me long from going forward into the Bogg; that is the Place that I promise my self to meet with the *Trojan Horse*, that will produce Silver instead of Armes.

" Its the Plenty of Coals at *New Castle*, that makes the Proverb; I hope to live to have that " Proverb as common, where you do a needless thing; this is to bring Coals to *New Castle*, or " Bullion to *Wales*: You shall find I have not talked to you out of *Aesop's* Fables all this time.

Mr. *Waller* to Sir *Thomas Mackworth*—At *Goginian*, I expect aforebreft dayly in the up- *Novem. 12th*, per Work, which will double that Work; and I am making a Sump, to the low Level, in Order 1706. to Stoup that Ore, as quickly as I can. And I hope new *Goginian*, will be in the Veins by *Christmas*, which takes a very fine feeding Ground. As to *Brinicka*, it is seldom without Ore, and promises far, but it has not yet reached the Rise; so that it yet sets not to a firm Rib. As to *Cumuswith* and *Tsimtean*, those raises great Quantities: I wish it were Ordered not to sell one Pound of Lead at this low Price; a Peace would make us 50 per Cent for our Money; you shall have Bullion in a short time; shall please you all.

Mr. *Waller* to Sir *Humphry Mackworth*—The good News I receiv'd this Day from *Gogi-* *Novem. 24th*, *nian*, and *Cumsumblock*, makes me that I can't be at Quiet till you know it, and therefore chus- 1706. sed to be at the Charge of a Messenger to *Shrewsbury*, rather than you should not know it, for another Post; the up Forehead in *Goginian*, the last *Thursday*, was a Yard wide, full of small Sparks of Ore; tho' none so big as Nuts, but it was Nuts to me to see them: And Yesterday in the Morning Shift, these came in as large as Apples, the next Shift they were larger, and a Rib on the Sun side begun to sett: So that I am sure that Work will capitulate upon any Terms. And I have now a Work before me, 28 Yards high, and it is now above a Yard wide; and the old Man had it 3 Yards wide, within 10 Yards of this Place; and I hope to see it so before *Christmas*, this Ore holds 44 Ounces of fine Silver per Ton of Mettle.

Yesterday we came to the Brist at *Cumsumblock*, which we wanted 4 Foot of last *Thursday*; it is bared in Ore a Foot wide, and about 5 Inches clean Ore in the Soal: I hope in a short time to have this all Ore, and doubt not but to find those Soals which is 104 Yards long very rich.

Novem. 24th,

Mr. *Waller* to Sir *H. M.* It is not your Comptroler that can harm us now, we have got hold of several Ends of our 1706.

Silver Mines, that not only quiet our Enemies, but make them our Friends.

Mr. *W. about*

Sir, Finding by yours and Mr. *Breton's*, which came the same Post, that the general Meeting *Mr. C-W.* will be the 2^d of December, and being I have the good News from *Goginian*, so I dispatched

a Messenger with this to Salop—But I wonder you cannot give me a Month's Notice of a general Meeting, that I might reserve some good News for that Letter: But good News is either not understood above, or not minded when you have it; for let me write what I will, I hear no more on it: But I will waken you all out of your Letharge if it be possible, if Smelting Rich Ore and sending Lead to Neath, and then you have 260 Ounces from one Tost of 4 Tons, and sending you Quantities of this; if this will not awake you, all you are past my Cure: Then let the Quakers, and the Quacks, try what they can do amongst you.

P. S. I have writ to Mr. Breton, Mr. Jackson, which Letter being he was here, is worth your seeing; and I have sent one to Mr. Sterne.

February 13th, 1707.

Mr. Waller to Mr. Shiers—Sir, I find you have a Mind to have some of our Copper Ore to Neath, to smelt, which if Turner do not come to us till the Way is passable, we will send 3 or 4 Tons to try; which if they Understand it will make above a Ton of Copper, if you can get the Abby Workmen to try, it will do well: That Work increases dayly, and I doubt not but it will turn to speedy Profit: It now yields good Profit; but I mean great Profit quickly, for it stands soft.

It is fine Ore, and I cannot doubt its Quantities.

March 25th, 1707.
Mr. Harley's
Vein.

Mr. Waller to Sir Humphry Mackworth—As to Mr. Harley's Lead Mine, it is above 20 Yards under Water, and no Level to be had to it; if ever that Vein be managed to do good, it must not be in that Liberty—But I am told, that Mr. Peck's will throw up Mr. Pugh's Liberty, for work is now above 30 Yards, that they draw Water under Level, and the Water Charge goes with the Profit, of both Mr. Harley's and his: We had Mr. Harley's Ore, at 3 l. 10 s. per Ton, delivered at the Mill, and it cost him above 6 l. per Ton; these things will not do, without other Management, and a Level to each must be brought. And we are not fit for dead Charges at present; but when Goginian and Cumsumblock flourishes, I will then try them both, if you please: In the mean Time, I beg you will let nothing divert us from them: You will see Goginian will soon put us to rights. It is a soft Quick Work, and Rich Ore; and Cumsumblock you know is the richest Ore, but it stands hard; tho' the middle Level stands Jointy, and much better than any I have seen in the low Work, which makes me hope, when once my Trojan Horse strikes in there, that that Part of the Work in the Bog, will be soft; but that Level is yet hard, tho' not so ill as it hath been, it mends towards the great Bogg—Ystimatean raises Ore now very quickly; we have above 100 Ton there ready dressed, which I have set the Cartiers on: And Cumustwith two Works, raises Ore very well, and we have a soft new Vein there that is above a Yard wide, and mixed with Ore: I expect to have that in a firm Rib very speedily.

Decem. 23d, 1707.

Mr. Waller to Sir Humphry Mackworth—I cannot omit giving you the best News that ever I had in my Life for you; that is this last Week, we have bared in one Place the Copper Work, above 12 Yards, and hath Cross Cut before it again, and hath the Vein and the Ore to the Surface in each Place, and the most of the Places above a Foot wide, at the Surface, in good rich green Ore, and stands soft: The Miners at this Work, is so flushed with it, that they do not intend to keep one Day holiday, but Christmas Day and New Years Day; they hope this Day and to Morrow to get it much farther opened. I begin my round of the 5th and shall be at the Copper Work the 8th or 9th against which Time, they hope to make it fit to receive Quantities of Miners, its sides is not yet firm, and widens downwards and forwards; they get Lumps now at the Surface, of clean Copper Ore as big as our Kibbles: My next will bring you good News of Goginian. I want to have only a Shaft holed there, and then I can get Quantities of Ore; I thought to have had it done last Week, it is wrought Night and Day, and we drive in that upper Level in good Ore, in fresh Ground.

I cannot yet raise Quantities in Cumsumblock; tho' the low Level and middle Level is both in Good Ore, but is not yet put in a Posture for Quantities.

Ystimatean, and Cumustwith, both of them continues to mend every Day.

Sir, In short, we have shot the Gulf, this Copper Work will out do any thing we ever yet proposed; I am sure we now make of it, above Cent. per Cent. and by the Rules of Mining it promises to do much more.

I beg your Pardon for this long Letter, for a Word to the Wise is sufficient, for it may be tedious to you that it is so full of Businels; but the Subject pleases me, and I hope will be a glorious New Year's Gift to all the Company; if you please, you need say little of this, till I have got some Quantities of Men set to work. If the Weather come Good, we can raise it fast enough, and I think if we surprize the Company with some Tons of Copper, would please better then hearing it by little and little. I wish you a merry Christmas, and a happy New Year.

Letters from Mr. Waller to the Directors, and also to Sir Thomas and Sir Humphry Mackworth; wherein are the following Expressions, viz.

November 12th, 1706. Mr. Waller to Sir H. M. You shall have Bullion in a short time; shall please you all.

January 14th, 1702. That he hopes in a short time, to see Silver Ore as plentiful as Lead Ore.

January 17th, 1706. Mr. Waller to Sir H.

Sir, If you peruse all our Committees Letters, since you left London, you will find great Improvement, especially in our Silver Veins; the Cumustwith and Ystimatean Veins goes on very well; as to Lead Ore, you will find by mine of the 3d and 7th January, and by the Diagrams, I have sent in those, what I have to do before I can raise Quantities; for as soon as I can turn our Work into Scoops, it will not be long then, till we may make Silver, and keep our Strike, for to make a little, and not to continue it, would make the Town Flagg again; once fill the Citizens well with our Cakes, and then you have done our Work. I hope shortly to give you news, that I have redeemed the whole Soal at Cumsumblock, which was despaired on here till Summer, because of the great Floods; but I said I would be hang'd, drawn, and quartered, if I did not do it from the last of this Month, which I now see no Reason to doubt.

Cumsumblock. February 11th, 1706. The middle Level at Cumsumblock, which yields 70 Ounces of Silver in a Ton of Lead, continues to go on in very fine rich Ore, above a Yard wide.

Cumsumblock. February 25th, 1706. The beautiful Ore at Cumsumblock, continues to widen downwards, and has a Prospect of Quantities.

Ystimatean and Cumustwith. February 28th, 1706. Ystimatean increases daily, and will yield Quantities; and Cumsumblock is much mended.

March 4th, 1706. That *Ystimtean* encraces dayly, and I doubt not but that Vein will raise *Ystimtean*. Quantities of Ore; and I am sinking a Shaft, in Order to double my Men there; *Cumustwith* *Cumustwith* where it's 4 Foot wide in Ore, is much encrased, and not so hard as it was; *Cumsumblock* Level is *Cumsumblock*, increased, to five Quarters wide in Ore, from Roof to Sole.

That the middle Level, at *Cumsumblock*, continues to encrase, being a settled Vein, between Mr. Waller to firm and settled sides, above five Quarters wide, that he's cutting for the *North Vein*, but hath the Company, not yet met with it; he has cut several Ribs of Ore in his Way, at 24 Yards higher Level, that March 7th, he had them together, and is sure they are not joined yet; for the other Vein is a Yard wide, 1707. that the Sump or this Forehead, continues to go on well, and the sticking mends in Ore, as he *Cumsumblock* sinks; the Drift under the Stoops mends daily, as also its Ore for the *Plumbum Imaturum* in his last is now turned into a solid Rib of Ore, 6 Inches wide; that he has Ore on the *North* side of his Drift, which has continued with him, but is not so firm as this, that the Water is not yet got of at *Goginian*: And to know of such rich Ore as he has there, and cannot get at it for Water, *Goginian* makes him almost mad; that he hoped to have had it off a Mouth since, but the Floods stop'd it which holds a-then; that he's got 6 Yards down, and the Whole but 10, so it cannot be long doing; that he bout 40 Ounces for *James Potter* to bore, in Order to quicken it; for he longs to be at his Apple Forehead a- of Silver in a gain, if he'd a free Passage for this Water, into the low Level, this Work being so soft and wide, Ton. would soon yield Quantities, that he works it Night and Day, till it's done: That at *Brinpicka*, he wants but five Fathom of the Strake of the Hill, and then he hopes it will not miss setting into a firm Rib; that he's hasting down the Shaft to meet it; that he finds by the Ore he meets with in sinking that Shaft, that he has another Vein on the *North* of him, which he'll cut to as soon as the Shaft is down; that *Ystimtean* continues to encrase dayly, that they have *Ystimtean*, two Vessels loaden at *Dovey*, and waits a fair Wind for *Neath*; that hopes to give a good Account of their new Furnaces, in a Post or two.

Mr. Waller to the Company, March 11th, 1706. That the middle Level at *Cumsumblock*, con- *Cumsumblock* tinues its good and beautiful Ore, and the Sump on that Forehead encrases in Ore, which when down, will put that work in good Management; that the Drift under 20 Yards high of Stoops, mends very well in Ore, but stands hard; that the Sump in the low Level encrases daily in Ore, and he hopes the Master Miner, will have a rich Bargain of it, at 40 s. per Ton; that the Miners at *Goginian*, was struck out of the Sun Vein, into the *North Rider*, which is the *Goginian*. most of it Ore; they were for working in that Ore, but he durst not let them do it, until the Water is got off from it, because it supports that Ground; but as soon as the Water is gone, he will continue to have it, without damage to the Work; that the *West* Forehead is in very good Ore, and goes on very well; *Brinpicka* not yet in a firm Rib, the Shaft goes down very well. *Brinpicka*. *Cumsumblock*.

Mr. Waller to the Company, March 14th, 1706. That the middle Level, at the rich Vein of *Cumsumblock*, continues in its good and beautiful Ore, and upon the encrase again, and the Ore in the Sumps upon that Forehead, continues to mend, and is not hard, the Drift under the 20 Yards high of Stoops, continues to mend in Ore; but yet remains hard, that the Sumps in the low Level mends daily in Ore, and is not so hard as it was, that the *West* Forehead is without any Alteration; but about two Fathom will alter that Ground, being now in the Boulch of the *Plumbum Imaturum*, that the Miners at *Goginian*, had promised him to set a great Part of the *Goginian*. Water off, the latter End of the next Week, and then he'll soon be able to raise Quantities, in *that wide Vein*, and soft Work; for its above three Yards wide, and the very Rider on the *North* of it, is most of it Ore, and this Water has kept the Old Man from getting it, being they wrought by Pumps, but it's impossible it can stand him; for his Level is 17 Yards under this Place, and fifty Yards under his Apple Forehead, and till he remove this Water, he is stoped in both; for he must not let the Water from above, till he first free it below, or that would drown'd both; the *West* Forehead at *Goginian*, goes very well on Ore; *Brinpicka* promises fair; that is a very wide Vein, and soft, all mixt with Ore; its Rib does not continue, yet it wants five Fathom of its Strake of Ground; that Shaft goes down very well, and it promises, as if it would soon be in Ore. *Ystimtean* is in good Order, above a Yard wide, and stands soft, and no *Ystimtean*. doubt will continue, and encrase in the Moras, being it came to him before he reached that feeding Ground; *Cumustwith* two Works raise Ore there very well, and Mr. Jackson's Vein seems to mend of her hardness; that he sunk a Shaft about three Fathom, before the Forehead, and at five Yards deep came to Ore, about a Finger thickness, in the *East* End of the Shaft, which stands to the Rise, and he made them drive; and in a Foot driving, it came to above 2 Inches wide, and that it has a Strake above three Miles long, and 4 more Veins coming to it, all as large as it self. *Cumustwith*.

Mr. Waller to the Company March 18th, 1706. That the Sump in the middle Level at *Cumsumblock*, goes down very well, and increases in Ore, and is not hard, that the Ore under the 20 Yards high of Stoops, mends and is softer then it was; but the Ore in the low Sumps encrases very well downwards, and seems to mend of its hardness; that he's come in *Goginian*, *Goginian*, to a very fine settled Rib of Ore, about a Foot wide, which stands soft, and is in the Way he is driving to set of the Water; the Sump the Water is to go down, is finished, and he's driving out of that Sump, to set the Water off, he drives it at 10 s. per Fathom; so it cannot be hard, that the Men promise to get a great Part of the Water off this Week, and then he'll get to his Apple Forehead, and also sink the Sump in this Ore, to the low Level, in Order to Stoop it in Ore both Ways; that he hopes in a little time, to draw Ore at 4 Shafts, which are all ready sunk, being the Shaft, B. E. I. N. described in the Map he sent in the 1st of November last, that he leaves the Rider, that is in Ore, on the *North* side at present, to get the soft Work up more quick; that there may be much more Ore lying on this Sun side, which he must not look after, till the Water is gone under the Shaft at 1. that the Old Man at R. has had Ore standing soft 3 Yards wide, and that he'll in a short time undercut him 60 Yards; that *Ystimtean* mends dayly, and that he raises Ore there very well: With a long Story about *Jenkin Edwards* hindring their Working, &c.

Mr. Waller to the Company March 21st, 1706. That the middle Level at *Cumsumblock*, con- *Cumsumblock* tinues very wide, and the Sump on that Forehead is soft, that the low Level Sump encrases in Ore, and as soon as he has got the Sump a Fathom deep, he'll set Men to drive *East* and *West* in it in Stoops; that *Goginian* is a wonderful wide Vein, most of it soft, for three Yards wide; and he has a Rider a great Part of it Ore, above a Yard and half wide; and all this within *Goginian*.

within the firm Sides; that the Mines cannot get the Water off, so soon as they promised; but they have very good Ore in the driving, and they also leave good Ore, which will not be lost. It is their Business to get quick up, that they may set on the Rest of their Foreheads in Ore, and they'll get this Ore they now leave, and they have yet 7 Yards to drive, to set off the Water, which at 10 s. per Fathom, is 35 s. so that six Men should do this in a Week, it hinders them from drawing and separating from the Dead; but he has promised to be kind to them in their Bargain, if they'll be quick to set off the Water; *Brinpicka's* Forehead is never without Ore, and continues soft, the Shaft goes down well; *Ystimtean* goes on very finely, and believes the Ore will set as rich down the Field, as up: With another long Story about *Jenkins*, &c.

Ystimtean.

Goginian.

Goginian.
Ystimtean.
Brinpicka.

Silver Cakes.

Goginian.

Holds 12 l. of fine Silver.

Cumsumblock holds 18 l. of fine Silver.

Goginian.

Brinpicka.

Cumsumblock.

Goginian.

Cumsumblock.

Ystimtean.

Silver Hill.

Goginian.

Cumsumblock.

Bullion.

Mr. Waller to the Company, March 25th, 1707. That the Sump in the low Level, continues to mend in Ore, as they go deeper; since the Ore at the up Level at *Goginian*, came in and increases, it hinders the driving, to get the Water off quick; but as soon as the Water's gone, there will soon be a great Alteration in that Work, for the Sun Vein called the Clay, is a wide soft Vein; in many Places 3 Yards wide, finely mix'd with Ribs of solid Ore, and in many Places it lies in Lumps in that Soyl; the North Rider is hard, but Jointy a Yard and a half wide, all intermixed with Ore; then the North hard Vein, which he meets with in the low Level, four foot wide in Ore, lies on the North side of this Rider; but that Ore is hard, and to work it without Stoops, will not make the Company rich: And the Water has stop'd him from stooping it yet; but the Clay Vein will raise Ore quickly, and he goes down in it to the deeper Level, and then begin to stoop it, and the soft Vein; and when the Water's gone, he can work both East and West, in the upper Level, till he get the Sump down to the low Level, and then can double his Files, and this work being soft, he will not be long a doing it, which will soon raise Quantities; that the West Forehead at *Goginian* goes on well in Ore; but it stands hard, being in the North Vein; that *Ystimtean* continues to mend downwards, and sets both East and West richly; that *Brinpicka* continues in small Ore, that the Shaft there goes well down, and has some Ore in it, which stands more firm than in the Drift; it is a lovely fine wide soft Vein, when it comes to set firm, will raise Quantities.

Mr. Waller to Mr. Sterne, April 4th, 1707. That he understood at London, they wanted Silver Cakes, which he says is not his Fault; for had not the Bricks been so long coming from *Chester*, they had had them e'er this; that as soon as the Bricks arrived, they went on with all Expedition, to the Building of Furnaces, at *Garreg*, and last Saturday they finished two, and began with the Refining Furnace, which when finished, they'll proceed to the Refining, that they have set off most of the Water at *Goginian*, that now he has two Foreheads to the West at *Liberty*, and is sinking down in the low Level, in Order to put that into Stoops, to raise Ore East and West; that *Goginian* holds 12 l. of fine Silver, in every Ton, and *Cumsumblock* 18 l. *Ditto*; that he hoped to set *Cumsumblock* low Level into Stoops, in Easter Week; that the middle Level at *Cumsumblock*, raises Ore very well; but until the Sump come to it, he cannot stoop it.

Mr. Waller to the Company, April 4th, 1707. That a great part of the Water, was set off at *Goginian*, that was going to work two Foreheads, and to stoop down to the low Level, in Order to stoop East and West in Ore, that the West Forehead goes on very well in Ore, sometimes half a Yard, sometimes two Foot wide; but stands harder in this Place, than up the Field; *Brinpicka* continues soft, and is mixed with Ore, but does not yet set to a firm Rib; *Cumsumblock* middle Level continues its wideness; but is something harder; that the Sump on that Forehead goes down well, that the middle Level mends in its Ore, and also the Drift under the Stoops; that had a Ship from *Neath* unloading Coals, and the next Week would load her with Ore, &c.

Mr. Waller to the Company, April 8th, 1707. That they're cleansing the Sludge, out of the Old Man's Soles at *Goginian*, and when done, he'll set on the West Drift; that he's making a Way to the Shaft E, to draw the Ore there, and that he's cutting a Drift East of that Shaft, to set on Stoops, that is to go to the Level of G, which is his low Level, which is to be his Sump; from East to West; yesterday he set a Bargain in the Shaft G, to clean up that Work, that he may set on the Apple Forehead; the Work is so soft, that he doubts not to have it in Order for Quantities quickly, that the West Forehead in the low Level of that Work, raises Ore very well; the middle Level Vein at *Cumsumblock*, continues its wideness well, and he hopes the Sump will not be long in going down, the Ore in the low Level Sump mends very well, and hopes it will not be long a doing, for its not so hard as it was, that the next Week, when he sets Bargains, he intends to stoop it East and West in Ore, that the Drift under the 20 Yards of Stoops, is not so hard as it was, which makes him hope its Ore will mend shortly; *Ystimtean* goes on well, and the Ore increases East and West; that *Cumsumblock* raises Ore in two Works very well, and he's in hopes that the second Vein on *Silver Hill*, will gather into a firm Rib, that *Mr. Jackson's* Mistress, is not so hard as she was; but does not yet increase in Ore, that he has good Ore in a Shaft about 4 Yards before her; so he's in hopes she'll soon mend.

Mr. Waller to the Company, April 11th, 1707. That they are yet Sludging the Old Man's Soles at *Goginian*, which they'll endeavour to finish by Wednesday next, that he begins his Round, that he had met with a Sump two Yards below the Apple Forehead, which he's also cleansing, and he intends to cut these two into the same Brest, the West Forehead in that low Level, continues very good in Ore, both upwards and downwards, that he cannot work the West Forehead in the up Level, till he get the Way made, that he mentioned in his last, in Order to get it drawn to the Bank, the Vein in the middle Level, continues wide, and very good Ore, and that Sump continues to go down very well, that the Vein in the low Level is not so hard, being nearer the feeding Ground, and is much better fed than the low Level; for well fed Ore is one third heavier Quantity for Quantity, than that which is in dry hungry Ground, without Water; this makes him hope his *Trojan Horse* will be soft, for he doubts not but he's well fed, going under Bogs and Meers of Water, and Turberry; this low Level being in good Ore, he'll set to stoop the next Week, and work from that Stoop, both up the Field and down it; the Drift under the 20 Yards of Stoops, continues softer than it was.

Mr. Waller to the Company, April 15th, 1707. That the middle Level at *Cumsumblock*, is very good, and that he has met with Ore above a Foot wide, in the upper Level at *Cumsumblock*, which is above 40 Yards before him, at the upper Level; but Thursday next he designs to dial it, and then can be certain of its Distance; that he'll send the Bullion, as soon as ever the Refining

ning Furnaces is built, which he hopes a Fortnight will finish, that he has ordered the Ore from *Goginian* to *Garreg*, and by that time its smelted, they'll be ready to refine it, that he has tried the middle Level Ore at *Goginian*, and finds it richer in Metal, and makes a better produce then the low Level, and is richer in Silver; they'd had Quantities of Silver before this, had not the Bricks lain so long at Sea, and since their arrival, they had built two Smelting Furnaces, and is now building a Refining Furnace, which will be soon finished.

Mr. Waller to the Company, April 18th, 1707. That the middle Level at *Cumsumblock*, continues very good, between its firm sides, that he had set the Ore to dress there, as fast as he could, that the Sump on that Forehead, goes very well down, at the Shaft B. and that he's raising Ore on a Rib, about a Foot wide, which he'll work forward, till the Ore is stooped to it, that he'd set a Bargain in the low Level, to stoop both *East* and *West*, that the Ore seems to set firm solid Ore; but much harder, and not so Jointy, the Drift under the 20 Yards Stoops, goes very well forward, the whole Breadth of that Forehead, and is full of Ore, *Plumbum Imaturum*, and *Mimdale* the Wideness of the Drift, all good tokens to be rich; the *Trojan Horse* continues hard, and he cannot expect his mending, until he has got him into good feeding Ground, and then doubts not of his Improvement; at *Goginian*, he has set the upper Level *Goginian*. Sump, to be sunk to the low Level, which they sink in Ore, under the Shaft E. to the Level of G. that he's driving a Drift from H. to K. in Order to stoop the Apple Forehead, that he's raising Ore at 40 s. per Ton, in the *West* Forehead, and is driving through the Rider, in the low Level Forehead, to cut into the clay Vein; *Brinpicka* sides are not yet firm, where the sides are *Brinpicka*. good and firm, he has good Ore, and that he doubts not, but when it reaches into the Stake of Ground, but that 'twill be good, that the Shaft to it goes down well, and he has met with some Ore in the sinking; *Bwlch Comervin* Level goes on well, because he crosses the Sills to it, the *Bwlch Cumer*-Workmen think they hear the Water beat in the Vein; but he fears its too far off yet; for by his vin. Dialing of it, wants about 8 Fathom of it; *Pencraigthee* Soil is mended, and shows as if it *Pencraigthee*. would have Ore soon; but he wants 20 Fathom of the Place, where he expects that to be rich in Ore; but it goes pretty Quick, and costs but 15 s. per Fathom.

Mr. Waller to the Company, April 29th, 1707. That the Ore in *Ystimatean*, is good and soft *Ystimatean*. to raise, which he'll put in a Posture to raise Quantities speedily; that at *Cumustwith*, Mr. *Cumustwith*. *Jackson*'s Mrs. is hard, that he finds the Shaft he is sinking, and the Vein is not the same; for he has Ore in the Shaft, about 4 Inches wide, and he cannot find the Vein Heads so much as the Shaft is distant, that the Ore Mr. *Jackson* saw there, is now encreased, to 5 Foot wide firm Ore, and that he had another Forehead, above a Yard wide, in the same Vein; but at an upper Level, that he had ordered a Shaft to be sunk, on the second Vein, on *Silver Hill*; for he has *Silver Hill*. Ore that rises upon him, and he thinks that that Shaft will meet with it.

May 6th, 1707. That he's sure he can provide them Lead Ore enough; and for their Silver *Silver*. Mines, they go on very prosperously.

That they hasten their Refining Furnaces as fast as they can, in Order to send some Cakes.

Mr. Waller, Mr. Murgatroyd, &c. to the Company, May 10th, 1707. That they being alto-*Cumsumblock*. gether making some small trials, they received Advice by a Messenger, that the Drift in the low Level, at *Cumsumblock*, under the 20 Yards of Stoops, was come in to be half a Yard in clean Ore; which is so clean from all mixture, that it wants nothing but raising, and carrying away to the Smelting, without dressing it, that the Work in the upper Stoops, in the middle Level, is very much mended, and both these since yesterday Morning; that hoped to begin your Refining *Refining*. the latter End of next Week.

Mr. Waller to the Company, May 13th, 1707. That the fine Ore mentioned last, under the *Cumsumblock*. 20 Yards Stoops, in *Cumsumblock* low Level, was encreased to 2 Foot, and that had not got the firm sides of it; that the Stoops in the middle Level promises very fine, and raises Ore very well; but is not yet set into so firm a Rib as the other; at *Goginian* the *West* Forehead continues *Goginian*. good, and the Sump goes down yet very well; but seems now to be harder than it was, that he wants 8 Fathom of being at the low Level, the Drift there he undercut, the Shaft I. goes on very quick, and till that is done, he cannot work the Apple Forehead, being the Work of both is to be drawn at the same Shaft, and the Drift is so soft, keeps the Shaft going, that he hopes to get this into fine Working, in a short time, that the Ore in the Shaft at *Brinpicka*, con-*Brinpicka*. tinues down with him; but the Drift has yet no firm Sun side, so is unconstant; that *Ystimatean* *Ystimatean* 120 continues very good, and raises good Quantities of Ore, that he'd above 120 Ton of Ore rea-*Ton*. dy dressed on that Work, and that hoped to have it carried shortly; that *Cumustwith* 5 Foot *Cumustwith* 5 is good Ore, continues very fine, and yields pretty well in Silver, and that had another Mine 5 Foot wide. there at an up Level, above a Yard wide in the like Ore, that he was carrying briskly from that Mine now, that was hastning to refine as fast as he could, in Order to send a Last of their Cakes, *Refining*. and after to supply Quantities; and that hoped for more good News.

Mr. Waller to the Company, May 16th, 1707. That the good News he has under the 20 *Cumsumblock*. Yards Stoops, in the Forefield of *Cumsumblock*, encreases upon him, and the North side sets outwards; so that on that side, it is widened since his last; so that it is now above 2 Foot four Inches in fine solid Ore, and sets in Roof and Sole, and that he has more in Wideness in Vein Stone, that joins to the Sun side, that mixes, and *Plumbum Imaturum*, as the other was at its coming in, and that this Ore stands not so hard as that in the Sump, that he's stooping in Ore, in that Sump; but 'tis hard in the Forehead; but its Sole is much softer then it has been; but

it does not settle in so firm a Rib as the other; but it mixes with Vein and Stone thus,

— 1

— 2

— 3

— 4

— 5

1 is Ore, 2 is Vein Stone, 3 is Ore, 4 is Vein Stone, and 5 is Ore; so that its not gathered into one Body yet; but those Ribs he shows you, is thicker towards the Stoops, as if the Vein Stone would under cut those Stoops, which he sent a Diagram of, the 4th of February, which showed what he was then doing in that Work; in the middle Level, he has beautiful Ore, and he has begun a Stoop there, which he hopes to give a good Account of in 2 or 3 Posts; at *Goginian*. *Goginian*. the Old Man hath sunk down in fine Ore before him, which he hath cut into; but hopes he shall not be long in cutting him out, his fine Ore stands soft, that if he were 9 Fathom driven

Silver. driven to under the Shaft I. he'll then under cut the Old Man 38 Yards, when he's under that Shaft, they shall double the Work, being he can draw at it, and the Shaft E. the Sumps goes down very well, the West Forehead is in the hard Vein; but he raises Ore at 40 s. per Ton, he hopes to send a Cake of Silver from *Cumsumblock*, and another from *Goginian* next Week.

Cumsumblock. *Mr. Waller to the Company*, May 30th, 1707. That the good News from *Cumsumblock* low Level, under the 20 Yards of Stoops, continues as in his last, the Stoop in the low; some in Ore; those Ribs he figured in his last, begins in sinking, to thicken and gather up the Field; so he doubts not, but that he shall under cut in Ore, those Stoops his last mentioned, in Diagram; 4th of February, the beautiful Ore in the middle Level, that continues good; but is harder than it has been; but the Ore in the Stoops in the middle Level, encreases downwards, one Stoop more then another.

Ystimatean. *Istimatean and Cumustwith*, both of them go very well forwards, as to raising of Ore, and both of them encrease daily.

Silver from a Ton of Metal. *Mr. Waller and Mr. Murgatroyd, to the Company*, May 23d, 1707. That they had refined a Ton of *Cumsumblock*, and a Ton of *Goginian* Ores; from the *Goginian*, they had 34 Ounces 4 Pennywts. 9 Grains of fine Silver, and from the *Cumsumblock*, they had, 61 Ounces 5 Pennywts. 3—4 Grains, both which was sent up; both these Trials were made in Green Tests, and in the working the first, the gateway broke thro' twice, and when they came to take it of, there was a Breach in the Bottom of Test, and that under the Cake, they found a little Piece of Silver, which contained 2 Ounces 2 Pennywts. of fine Silver, besides a great deal of Lead, which they believe is very rich, and that the latter had the same miscarriage, and that they lost a great deal of Lead at the last, and that to this belongs a small Peice of Silver, besides the great Cake, that when they have got 7 or 8 Tests before hand, they doubt not but to have a fair Trial what the Ores holds; in the Interim, they'll continue refining, and get ready what Test they can, &c.

Cumsumblock. *Mr. Waller to the Company*, May 23d, 1707. That *Cumsumblock* low Level, in the Drift under the 20 Yards of Stoops, continues as good as in his last; the Stoop in the low Sump mends the deeper he goes, and especially towards the East End; but till the Stoops in the West be brought as low, he cannot yet tell, but those may be as good; that the middle Level holds without Alteration, as in his last; and since its long since he said any thing of his Trojan Horse, he's afraid they'll think he's dead; that he grows softer than he was, and he doubts not his Proof when he comes into his feeding Ground; besides, *Cumervin* Vein, and *Darwen* Mines, comes to meet there, and both are rich in Silver: *Cumustwith* and *Istimatean* both continues to mend, and raise Quantities; that he'd sent the Silver Cakes to *Shrewsbury*; tho' the Greenness of the Tests did not permit them a fair Trial, yet he hoped to show in a little time, that the Fault was not in the Ore; that in the Parentees time, they took two Ton and 1—4 to make a Ton of Lead, and that they could now make a Ton of Lead from two Tons, besides the Slagg, and hopes yet to improve that Quantity; that he's but a small Way thro' the Old Man in *Goginian*, before it will be in a good working Posture; that *Cumsumblock* being in the Center of their Mines, he has a great Mind to remove their Market to that Place, which will save the Workmen a Day they now loose, if not two, which he presumes will be a great Furtherance to these Works; so he begs he may have an Order to remove the said Market.

Silver. *Mr. Waller to the Company*, May 27th, 1707. That he had sent the Silver to *Shrewsbury*, to be sent by the Carrier; that they'll continue then Refining, and the Smith is making a Stock of New Tests; that *Cumsumblock* low Level continues to widen in Ore, and the Ribs that he figured, thickens downwards, and it grows softer the deeper he goes, and the Ore encreases as well downwards as *Eastwards*; that the Stoop under the 20 Yards high of Stoops, continues to mend, in its Ore up the Field; that he'd met with a Twitch in the West Forehead; but has a Rib of Ore continues with him, about three Inches wide, and he doubts not, but it will shortly mend; that the middle Level is the same, it was in his last, but the Stoops there continue to mend; that *Goginian* Sump goes well down, and the Drift continues yet in the Old Man, which wants about 6 Yards of the Shaft I. and he has ordered that Shaft to be sunk to meet it, which wants about five Yards of the upper Level; *Cumustwith* and *Istimatean* goes very briskly forwards, and the Vein that is five Foot in Ore, holds 20 Ounces per Ton of Metal, as he remembers; that he had received 4 half Chests of Wine; that he had hoped to see some of the Company this Summer, to see their Refining, and drink Success to the Mines, &c.

Cumustwith. *Mr. Waller to the Company*, May 30th, 1707. That he had a Letter to know what distance the New Mines lay, from the other Works at *Garreg*, which he looks upon to be 17 Miles, being 2 Miles farther then *Cumustwith*; that he can work with *Derbyshire* Men in these, and other Works; that understand not blasting in hard Works; that he had begun of the new Works, and set an Old Level to be dressed, at 3 s. 6 d. per Fathom, and had set a Shaft to be sunk at 8 s. per Fathom; that its much watered, or it would not have cost so much; for the Ground is wonderful soft; and he doubts not but to do as much in it for 100 l. as he can do in most of his other Mines for 600 l. that he came the first Week in the sinking to Ore, near half a Yard wide, and has no sides yet; that 'tis well fed Ore, and stands firme; how wide the Vein will be cannot yet tell; the good News at *Cumsumblock* continues to mend, both in the Sump, and in the low Level, and the Drift under the 20 Yards in Stoops, being both in Ore; that this dry Weather he sinks what he can in the Sump, being he can stoop it when the Weather alters; and that he'll go down as deep as he can, so long as the Ore holds so good, for it encreases yet daily; that the middle Level and Stoops from them, mends both downwards and forewards; that *Goginian* is not yet thro' the Old Man; but he hopes to have it finished the next Week, and to get the Shaft I. to it, that he may draw at both Shafts; that the West Forehead at *Goginian* goes on very well, at 40 s. per Ton; *Brinicka* Level continues the Ore it had, but does not mend yet; but the Ore in the Shaft widens very well, and he has strong Sparr in the Shaft, mixed with *Plumbum Imaturum*; so that he hopes that Work will begin to stand more firm, than it hath done; that they continue their Refining; but the Tests has the Misfortune to break, which the Test-Maker Attributes to some Morter falling from the Walls amongst the Ashes; but they are going to board it, to prevent that Inconveniency, and to keep it clear from Rubbish, &c.

Cumsumblock. *Mr. Waller to the Company*, June 3d, 1707. That the low Level Sump, at *Cumsumblock*, continues to mend in Ore downwards, both as to its Firmness in Ore, and its Wideness, and is not so hard as it was, and it sets both *East* and *West* the same; that the Drift under the 20 Yards

of Stoops, continues as good as its Ore as it was, and its sides seems to widen on him up the Field ; the middle Level Ore is harder than it was ; but the Stoops go on in good Ore, and mend both forwards and downwards ; Goginian is not yet through the Old Man ; but he has got Goginian, the Shaft I. to the Level of it ; so that he can Work quicker, having another Shaft to draw, the Work which was a Hindrance before ; that the West Forehead is the same as in his last ; that Brinicka Shaft mends in its Ore, and the Level is as it was in his last ; that Cumstwith and Cumstwith. Ystimatean, goes both on very well ; that he begins his Round to Cumsumblock, Goginian, &c. to Ystimatean. morrow to set new Bargains ; that he desires a Fine may be levied on Mr. Knowle's Lands, since the Company has paid for them, and has a Lease for 17 Years ; that the Mills and Refining Furnaces, are not safe without it ; that he begs it be not forgot to be done the next Sessions at Cardigan, young Mr. Knowles being sickly ; that they made one good Cake the last Week, and hope in a little time they shall please the Company.

Mr. Waller to the Company, June 6th, 1707. That the low Level Sump at Cumsumblock, en-Cumsumblock, creases in Ore daily downwards, and continues to set both East and West ; that the Level under the Stoops continues good, and seems to widen in Ore ; the middle Level is wider in Ore than it was ; but the Ore is more mixed with Sparr than it was ; but the sides are broke, and they will mend as soon as they come in firm ; that they continue yet in the Old Man in Goginian, Goginian, but he believes it will second Cumsumblock speedily ; Brinicka's Shaft and Level, both continue Brinicka. in Ore, but the Rib in the Level, is not so good as that in the Shaft ; but he's glad to find it more constant than it has been ; Pencraigthee Soil promises very well ; and Cumervin Level goes Pencraigthee. on very well ; that he's well pleased he has an Order for removal of their Market, which will be Cumervin. of great Advantage to the silver Mines ; and he desires also, that Mr. Murgatroyd may have such Returns and Orders, to draw for Money, as may enable him to pay Subsistance every Saturday, which will prevent the Market from being baulk'd at first, and doubts not but it will be a great ease to the Miners, &c.

Mr. Waller to Sir Humphry Mackworth——What you say about the Quakers, I will out January 17th, do them what ever they can pretend to ; I will do it honestly from the Mine, and will give them 1706. leave to use all the Fraud they can invent ; they have two Refining Furnaces, the one at New Castle, the other in Flintshire, the first holds 16 Ounces, the other 14 in a Ton of Metal : Suppose one Furnace employed a Year, that holds 30 Ounces per Ton (which is equal to their two) and that it refine 7 Ton a Week, 7 by 30 yields 210 Ounces per Week, which at 50 Weeks in the Year is, 10500 Ounces, which at 5 s. 6 d. per Ounce is, 2887 l. Now this is the whole Years Work, and is about 800 l. short of half a Ton of Silver ; so that it must be above two Years work for the two Furnaces yield them half a Ton ; tho' our Cumsumblock will yield us above double more in the Year, in one Furnace ; I hope you will be projecting for this Company, I wish you could contrive that we might be the Bank, as soon as the time of the other is out.

Mr. Waller to Sir H. M.——I have enclosed sent you a Peice of our Glorious Ore, got in the January 21st, middle Level at Cumsumblock, the sides is firm, and it widens upon us, being now above a Yard 1706. wide ; I doubt not but we will have some thousand of Tons from this Vein ; you shall have News of the low Levels very speedily, I pray pardon hast from Sir, &c.

Mr. Waller to Sir Thomas Mackworth——Sir, If you perused our Committees Letters, since January 17th, you left London, you will find great Improvements, especially in our Silver Veins ; tho' Cumstwith and Ystimatean goes on very well, as to Lead Ore, but you will find by mine of the 3d and 4th of January, and by the Diagram I have sent in those, what I have to do before I can raise Quantities, for assoon as I can turn our Works into Stoops, it will not belong then till we may make Silver, and keep our Strake ; for to make a little and not to continue it, would make the Town Flagg again ; once fit the Citizens well with our Cakes, and then we have done our Work ; I hope shortly to give you News, that I have redeemed the low Soale at Cumsumblock, which was despaired on till Summer, because of the great Floods ; but I said I would be hang'd, drawn, and quartered, if I did not do it, before the last of this Month ; which I now can see no reaon to doubt——The middle Level now you will find is above a Yard wide in Ore, with some mixture of Stone and Sparr, excepting that which came first in, is now a Rib about 10 Inches wide.

Your Mrs. Goginian, is much improved since my last to you ; if I had a Sump down at the Surface of the Stoops, and a Drift 11 Yards long to it, I could then sink my Shaft, and work in my Apple Forehead, which at present I am watered from ; but shall not be long so, being 22 Yards under it.

Mr. Waller to Sir Thomas Mackworth——Brinicka has had a good Rib of Ore in it two or January 21st, three times, and still broke ; but it then stood by the side, now it is coin'd in, in the middle of 1706. the Drift a Foot wide ; and also I fear, the Vein is now two Yards wide, and being so wide, make me fear it ; we want but ten Fathom till we come to the Ore that was left ; so that is hopes, that it may stand if it come in at this Wideness, and its Softness, it will make us sing Old Rose in the Gun Room——Besides, I have such a Trial at Cumstwith, as I have rarely seen. I have four Veins, the least above a Yard, and am driving up one of them, that with 10 Yards cutting on each side of me, I can cut two Veins on my Sun side, and one on my North, it is soft, I drive it at 4 s. 6 d. per Fathom, and we meet with Lumps or Sparks of Ore, two or three Pound Weight in our driving ; I spare but one Miner to it, and he hires Labourers ; less than 10 l. will make a full Trial of all the four Veins ; I call this Golden Gill ; but your Mrs. Goginian and Cumsumblock, we shall have those in a quick working very speedily, and then you may expect Cakes ; but to send a Cake to satisfie one Man, when we shall not be long till we will send you Quantities, I will give you Notice when we begin, and if Sir Edmund will come, and stay with me a Month, he shall be as welcome as I can make him, and then he may judge himself of what it holds.

Mr. Waller to Sir Thomas Mackworth——Your Mrs. Goginian I hope to have in good Order June 28th, very speedily, and will give you Notice when I begin to refine, not doubting but I will have 1706. Cakes of Silver for you, which shall be done with as great Expedition as possible ; but we must keep it secret ; I must not so much as speak of it here, till the Day I begin with it.

Mr. Murgatroyd begins now to have a good Opinion of us ; and is for buying of as many Shares as he can have for 200 l.

Mr. Waller to Sir Thomack Mackworth——Tho' it is late, yet I cannot pass by you, but must June 4th, give 1706.

give you a Touch of our Success, I have enclosed to you, some of our Ore, the Difficulty of this Work is over; tho it will take some time to put it in Order to raise Quantities; but if I had the other Silver Mines Levels finished, and in Ore as this is, which I do not doubt; we shall be in such a Condition, as we may confront the French King if we please; we have driven and sunk near 400 Yards since May gone a twelve Month, in this Work; and you will find the Charge small: I hope to see the time, that I will clear more Money in one Week from this Work, than will pay the Charge: I hope to have more good News for you in a short time.

I beg you will give my Service to Mr. Sterne, if he be in Town, if not, I beg you will write to him, and let him know how we proceed; if I knew where he was, I should give him a Letter.

P. S. Sir, One of the Pieces of Ore that I enclose, you will see is the Out side, and you see it clean without any Mixture, neither is there a Joint in it for all the Breadth, nor Stone, nor Sparr, to be seen in it.

June 28th,
1706.

Mr. Waller to Sir Humphry Mackworth—— Sir, You will find by the Committees Letters, that we have a wonderful fine Show of Ore in a Week's time, if the Hearts of our Company can be kept up, till I get as well into Cumsumblock Work as I am now in this; and we need not Fear our Enemies.

Cumuswith and Istimtean, raise Ore very plentifully.

I cannot forget Goginian, you may Remember you were here when we came to the Ore first, at Eskyrbyr, in Mr. Mayor's Drift; but this is a much finer Sight than that was then, and I doubt not but it will encrease sufficiently.

Mr. Waller to Sir Thomas Mackworth—— I doubt not but put our Silver Mines in a short time in as good Order.

I have said nothing in my Committees Letter of Brinicka Vein, which is a lovely soft Vein, 4 Foot wide, and sometimes 5, it is now mixed with *Plumbum Imaturum*, and Spar, which is very good Signs for Ore speedily—— I hope to shew you in a short time, what Difference there is between the Quakers Works and Ours; I doubt not before I am much Older, but refine more Bullion in a Month, than ever the Quakers could do in a whole Year: In the mean time believe me, without Reserve, Honour'd Sir, &c.

Mr. Waller to Sir Humphry Mackworth—— I receiv'd yours, without Name or Date, and wonder why you propose any other Mines to be taken, being I have more Ore now than I can smelt; neither can I get Ore to you at Neath, before Vessels come; we can now Load above 300 Tons, and has Quantities at the Mines to supply our own Smelting.

For our Lead Ore, lay that aside, for Paper and Packthread; if you will give me a little time, I will raise you Quantities of the Silver Ore; and First at Goginian, I want 6 Fathom to drive in the Ore, and 8 Fathom to sink, and then I can stoop that Mine East and West in Ore, which will raise Quantities; besides, this will clear the East Forehead to the Stoops, which is now in Ore like Apples, mixed a Yard wide; this will be soon in firm Ore when the Water is gone.

Can you believe that I can be so stupid as to be wanting in any thing that I can do to farther the Work, since you know my Interest in it.

It will not be long till you may makes Cakes, and that in Quantities will raise our Shares; and in the mean time, I take it to be the best way to give 6 per Cent. for Money, and 2 per Cent. Premium, till those Cakes be common; and that the City have once their Bellies well filled, and then the Shares will rise to 50 l. at least; then sell the Company's Shares, and that serves us all at once, and then we are out of Danger, and our Mines will encrease daily.

Sir, I find our Credit is good, and our Bills is better known in the Country, than the Bank; nay the Queen's Receiver at Carmarthen, asked for our Bills and desired them. By the way, I have proposed above to give a Premium, will make you that none of the Funds for the Government can harm you; your Credit is such, that you may have what you will, if you give Encouragement, and the more you engage the better, being those will be our Friends, and speak well of us.

Mr. Shiers can shew you what Ore is got, carried, and dress'd at every Mine, every six Weeks.

Mr. Waller to Sir H. Mackworth—— I receiv'd yours, by which I find, you have receiv'd mine, and am glad they gave you any Satisfaction; you will find by the Committees Letters, that our Works go very briskly forward, and with great Success—— I doubt not if we do our Duty to God Almighty, but that we may have a Blessing attend us; it is very observable, that the very Week that my Lady Pryse burnt our Turf on the Mountains, that the Ore in the East Level twiched, and the same Week it came in both at Istimtean and Cumuswith, to a greater Degree; this I have told her, and that it was a Judgment upon her Ladyship, and none on the Company, being they were repaid; but this does not seemingly alter her; tho' I find she would gladly have an End.

I will give you a thumping Letter very speedily, at the Sight of our low Level in Cumsumblock, being we have the Ore in the middle Level; and at Goginian, it will not be long till these be capable of raising Quantities—— I wonder you do not propose the Raising of Money by Bond, at 8 per Cent. to buy Lead, it being so cheap; but perhaps that might do the Credit of your Bank harm—— I can but guess at this Distance, being you do not write, that I can be farther Master of it.

January 13th, 1707.

Mr. Waller to Sir Hum. Mackworth—— I have your short, short Letter consisting of 4 Lines, what account you can expect from me, for such a Scrap, I know not; however, my return is much better—— I have got the Shaft down at the great Level, at Goginian, and now I have begun my Drift in Ore, and when I have Liberty, will set on the Stoops, to follow the Drift, that Work will now begin to raise Ore in Quantities, the upper Level there is in good Ore in driving, but we have not Liberty yet to stoop it—— Cumsumblock low Level is hard, and I want yet 15 Fathom to come to Sir H. Middleton upper Engin Pit; but it may meet me if that were through, we shall have a good Forehead there, and I hast them what I can, by working them three Shifts; but my Trojan Horse will crown the Whole; but I will say nothing till I have him in a Condition to be shown—— I encrease Istimtean and Cumuswith each Pay, thole will encrease to good Works; but our Copper I doubt not will exceed them all, we clear now above 200 l. per Cent. and if it continues (as none can see any Reason to the contrary) being set in a Rock; but has not yet firm sides; now by the Rules of Mineing, we should have it much wider in firm sides; tho' it continue so rich as it is, that in a short time it will make above one thousand per Cent. it widens downwards

downwards, and where the Rock comes up to the Surface, it is with it; so this must break all Rules, if it does not much encrease—But I have found another Vein, that runs Parallel with this about 60 Yards North of our Copper Vein; in this Place, in a Flood runs more Water than would make three Mills go, and all tanks in this Place; so I made it to be opened; it is a Vein, and has one firm side, and seems to be about 5 Foot wide; but if it be but one, and like what we have, it will do our Business, First, the sinking there is a Level to the Vein; because of the Sink: Secondly, I have sought it the Mountain above, and can find no out-breake of it: Thirdly, If it prove Copper Ore, with sinking there, I can drive East and West, without any other Level, I have set a Bargain of it, to sink at 10 s. per Fathom; so in a short time, I shall give you an Account of it.

Mr. Waller to Sir Humphry Mackworth—But I must now give you a short History of our Copper Work; we are now working above 200 Yards on the Dip of our Ground, where I am bringing up a Level; the Easter Holydays has hindred us a Week, or we should have had it up this Week, however, a Week or ten Days will do that; but I had a hardship upon me, which was to sink down to meet this Level, and it was in my Choice, either to take four Men off from raising that Ore, or to sink the Shaft below them in a Twitch, which latter I did; and tho' I had no Ore in the Twitch, for some Yards down; the Ore is now come in at 14 Yards deep, and is richer than ever we had it as to Quantity; but it is not above 8 Inches wide; but some of it is so rich, as you may cut Native Copper in it with your Knife, and we have others of it, looks as fine as your Turkey Stone, and is hard like it—Now I cannot expect this Vein to be very wide, till I come to the Rise of my Ground, but it stands so soft as we shall have Quantities, long before we can reach to the Strake; when I have done my Round, which I begin to Morrow, you shall hear farther.

Mr. Waller to the Company—I have no Alteration since my last of the 22d, only I have got July 2d, down my Sumps (this dry Weather, which I despaired of doing that Way) in the middle Level at Cumsunblock, and am now driving on both sides to meet, this Ore goes both Ways, so that I am in hopes, that in six Weeks time, I may perfect it, as to have them together, and then that Level is finished, and doubts not but raise Quantities in it—As to the low Level in Cumsunblock, I have expected holeing this two Months; and tho' we now work there in good Ore, yet I wish the holeing daily; for then I could go to the Forebrest, and set that Ore upon Stoops, and raise in what I now go through, which would double and triple that Level; the Trojan Horse continues soft, to what it was, and I hope may give us some Diversion speedily—As to Goginian, till I have a Sump down, and the Drift to meet it, I cannot expect an Alteration as to Quantities; tho' both is in Ore, yet not so large as I could wish; but I hope they will mend both before they meet—This pay I hope, may cut Cumervin Level into its Vein; and then you shall have account how that stands, it is the same Vein of Goginian—In three Months time, I hope to say something to you, about Brinicka's Level being cut to the Vein—As for Ystimatean, and Cumuswith, they encrease every pay, and I hope will continue it—I will give you an Account of our Montgomeryshire Mines in my next; as to our Copper Work, I find that it encreases, and being so soft, I doubt not but it will out do all the Mines we have yet in a working Posture; but if it continues its encrease to the Rise of the Ground, as it now doth, it will over balance all the Mines we have.

Mr. Waller to the Company—I pray give me leave to give you the Trouble of a short Account of our Mines; First, Cumuswith and Ystimatean, both of them continue their encrease—*April 13th, 1708.*
Cumsunblock and Goginian, I am come to good Ore in both; but till I can raise Quantities in them, it is better to be silent; we have gone through many a hard Bar in them, where 2 or 3 Fathom was as much as six Men could do in six Weeks, and work it Night and Day; but now I hope the Difficulty of each Mine is over, and doubts not but they will pay us well—Our Lead Mines in Montgomeryshire, is very soft, and seems to promise very well; we are come to Ore in Sjnlanglace Mine, it is a Foot wide, but not yet a firm Rib, and there is another Vein, that by the Point, should meet us in 25 Yards driving, which if it do, will make this a rich Vein; besides, this holds above 5 l. per Ton in Silver—I have sunk the Copper Shaft 11 Yards deep, before our Soals, to meet the Level, the Level is not yet hold, but expects it this Week, and then I shall stoop in Ore both ways, the Ore is better and wider than at the Top; for I was forced to sink in a Twitch, or take off 4 Men that was driving in Ore; we are working in the Dip of our Ground, and has opened it above 70 Yards in Length; besides, we have discovered it above 220 Yards more on the Dip, and I want above 100 Yards to drive, to carry us to the Strake of Ground, where we cannot expect richer Ore than we have; but by the Rules of Mineing, it should be much wider, we have it now all Measures, from 9 Inches to 12 of the fine Ore, and we have above as much more, that is brown and black, the fine yields 14 in 20, and the other where the Sun side is good, yields 1 in 7; but where the Sun side is broke not above 1 in 10—I doubt not but all this Breadth will be rich at deepness, and much wider in our Strake, and as it is I hope to raise large Quantities before the End of Summer. I had six Men that wrought me 38 Yards of a Drift in this Vein in six Weeks; this Work pleases me, and I hope will please you all; for it must break through all the Rules of Mineing, if it prove not a wonderfull rich Work; I have inclosed a Piece of the better Sort of Copper Ore to you, which holds 14 in 20, cut it with a Knife, and you may see how strongly the Copper is impregnated in it, it is almost Native Copper; I shall be glad to hear how the Copper Men approve of what I sent to Neath; tho' it is short of what we now raise it, being on the Cropp of the Vein—I am forced to try the Level Ores we meet with every Week, to shew the Workmen what to preserve, and this Vein that is 220 Yards on the Dip of our Work, that Ore is black, and being so far distant, tho' it was on the Point, yet I durst not trust it, till I tried it; and tho' at 3 Yards deep, it has no sides, yet it yields 1 in 12—I began to sink a Shaft on the Strake, in a Swallow, but was watered out at 7 Yards deep; in the Summer, I will try it again; tho' it is 50 or 60 Yards distant from the Point of our Copper Vein; yet it has the same Vein Stone above two Yards; that I take it to be another Copper Vein.

Sir, I desire you will please to Order Mr. Shiers, being he knows good Crucibles, to send me a Box of the brown Sort, for the blue Ones is not fit for this Service; and ten or twelve Pounds of Red Argoll, and one Pound of Borax.

Mr. Waller to Sir Humphry Mackworth—That Ystimatean continues to encrease, as to its Novem. 18th,

Channel, which trends down the Field, and Cut, is now 15 Foot wide ; but the River is crossed with Stone and Vein stone ; but I have a Work, about 20 Yards behind this, and there, when Miners enter it, and they continue in fine firm Ore, and is above 5 Foot broad, and is widening forward, and in the first, the lowest Stop is the best ; so that I hope it will be another 1000 Feet wide at the Level, and may keep and continue its Wideness—The Lead Works at the New Miners Liberty, goes on very well, but I have got none of them yet into my fine Ore ; Mr. Vaughan's Money goes on very well, I pray do not forget his Commission, and pray mention it to me, in your next, that I may shew him—Clydumblock and Goginian, has no Alteration since my last to you, but both in prosperous promising Condition, the latter hath been, more tedious than I expected. Now provide your self for the bearing of a Peice of Glorious News, and thank God for the Grace—Norwithstanding Mr. Vaughan was so very hard to us in selling his Liberty, this will make us amends for all ; I have found a Copper Vein, in his Liberty, at the Surface, about one Inch wide fine Green Ore, and in sinking 5 Foot, it increases to 14 Inches, all in good clean Green Ore—I tried half an Ounce of the Green Ore, which yielded the 4 Pennywts. and a half of Copper, I have sent it enclosed ; likewise there is 2 Inches of Sulphur Ore come in at the Soil, and I tried that, and it holds one fifth in Copper, you will find it a Pennywts. and it came from half an Ounce of the Ore—This Work stands in the middle of the Rise of a large Mountain, and I have set a Bargain to open it, both upwards and downwards, the first a Yard deep, and 8 in Length, as 2 s. 6 d. and every Bathom below that Level at 5 s. per Fathom, till Christmas—The sinking the 5 Foot, cost me but 3 s. and I think I had 3 hundred of the Green Copper Ore from it ; if it please God to continue it, as it has begun, I shall soon be able to send you a Ship load to Neath, you may find by the Price that it stands soft ; the Miners will try if they can find me more of the same, for they did not know it before ; By New Year Day I hope to employ a good number of Miners in it, and you will find that two Tons of Ore, will hold one Ton of Copper when I am a little deeper ; if you please, I will send you five or six Pounds Weight up of the Ore, which will make many Trials, at half an Ounce per Time—I leave it to you, whether you will acquaint the Company with it as yet, I think it were best to surprize them with some Tons of Copper, and I will be as quick as I can in doing it, as to have it at the Water side ; and in the mean time believe me, &c.

Novem. 2d,
1708.

Mr. Waller to Sir H. M.—I shall have *Siglandiac* and *Napimellin* in good Order, in a Month; time, the first holds 20 Ounces per Ton of Metal in fine Silver, the latter is good Porters Ore; I am raising Ore in three Places in Breton, and that Work promises very well, and those Works in that Country is all soft Works, and make one Vigorous to see them go on so briskly; I am sure I can do more there with 200*l.* than with 6 at *Cumsumblock* or *Goginian*—I hope to have *Cumsumblock* yield us above 200*l.* a Week Sterling, in Refining before May Day.

I don't think there is anything to be discovered in this place, and I am afraid that we will have to go back to the hotel. I have a few more things to do, but I will be back in a few hours. I will let you know when I am back.

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